2018 Virginia Toxics Release Inventory Report

Summary of Data from 2018 Industry Reports



www.DEQ.Virginia.gov

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Virginia Department of Environmental Quality Mission and Programs

It is the mission of the Virginia Department of Environmental Quality (DEQ) to protect the environment in order to promote the health and well-being of Virginians. To this end, DEQ implements numerous programs that range from the media-specific (air quality, water quality and waste management) to particular areas (such as the Chesapeake Bay and the Virginia Coastal Zone Management Area), to more specific programs (such as Small Business Assistance and Citizen Water Quality Monitoring). DEQ is committed to pollution prevention and elimination, or reduction of waste, at the source of generation. An example of a pollution prevention program is the Virginia Environmental Excellence Program, which encourages businesses and organizations to go beyond legal requirements and adopt environmental management systems.

All sectors of government, businesses and industry – and Virginia's citizens – have a role in managing and controlling the release of toxic chemicals in the Commonwealth of Virginia.

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Summary

In March of each year, the Virginia Department of Environmental Quality (DEQ) publishes the Virginia Toxics Release Inventory (TRI) Report, pursuant to Virginia Code § 10.1-1186.1. The TRI program continues to fulfill its goal of providing chemical use, release and waste management information to the public. The Virginia TRI Report contains information on the release or other management of listed chemicals and chemical categories, as reported by Virginia industries in specified industrial sectors and by federal facilities located within the commonwealth. Facility reports are required by Title III of the federal Superfund Amendment and Reauthorization Act (SARA Title III), also known as the Emergency Planning and Community Right-to-Know Act (EPCRA). The Virginia TRI Report is a multi-media report covering air, water and waste management activities, and addresses a variety of handling practices, including releases, recycling, energy recovery, and on- and off-site treatment and disposal. The 2018 TRI data represents the 31st year of data collection from facilities for distribution to the public.

This year's Virginia TRI Report covers calendar year 2018, which is the most recent year of available data. The report includes all reports and revisions received by DEQ on or before Jan. 9, 2020.

Between 2005 and 2015 there has been an overall decrease in the total amount of TRI reportable chemicals managed of over 41.88 percent as shown in the table in Appendix E.

For calendar year 2018, 423 Virginia facilities filed 1,322 individual reports on the release, transfer, or management of TRI chemicals or chemical categories. This was an increase in the number of facilities reporting (422 facilities) and a decrease in the number of reports received (1,328 reports) for calendar year 2017. In 2018, Virginia facilities reported the release, transfer, or management of 139 chemicals and chemical categories, of the more than 650 chemicals and chemical categories which are subject to the TRI reporting requirements.

According to the reports, Virginia facilities reported the release, transfer, or on-site management of 852.33 million pounds of TRI chemicals during calendar year 2018 (a 5.56 percent decrease from 2017).

Of the total of TRI chemicals reported:

- 28.25 million pounds were released on-site (an 8.27 percent decrease from 2017);
- 66.15 million pounds were transferred off-site for treatment, recycling, energy recovery, or disposal (an 8.70 percent increase from 2017); and
- 757.93 million pounds were managed on-site by treatment, recycling, or energy recovery (a 6.53 percent decrease from 2017).

TRI reports for reporting year 2018 show a decrease in releases to water, air and land. Results from the most recent TRI data show the total amount of TRI chemicals as released:

• The total amount released to air for 2018 decreased by 3,412 pounds (0.02 percent) compared to 2017.

- The total amount released to water for 2018 decreased by 2.16 million pounds (19.12 percent) compared to 2017.
- The total amount released to land for 2018 decreased by 384,480 pounds (12.87 percent) compared to 2017.

The Virginia TRI Report addresses separately those TRI chemicals the U.S. Environmental Protection Agency (EPA) has designated as Persistent Bio-accumulative Toxins (PBTs). These chemicals remain in the environment for long periods, are not readily destroyed, and build up or accumulate in body tissue. Risk to human health depends on the toxicity of the chemical; how it disperses, reacts, or persists in the environment; and the quantity, concentration, and type of human exposure. Chemical releases are managed by a variety of environmental permits.

According to the 2018 PBT reports:

- 291,741 pounds of PBT TRI chemicals were released on-site at reporting Virginia facilities (a 17.82 percent decrease from 2017);
- 1.27 million pounds of PBT TRI chemicals were transferred off-site for treatment, recycling, energy recovery, or disposal (a 69.49 percent increase from 2017); and
- 58,582 pounds of PBT TRI chemicals were managed on-site by treatment, recycling, or energy recovery (a 17.53 percent decrease from 2017).

Dioxins and dioxin-like compounds account for 21.06 grams (approximately 0.05 pounds) of the PBT chemicals released, transferred, or managed by Virginia facilities during calendar year 2018.

As required by statute, the Virginia TRI Report also provides information by industrial sector (identified by the North American Industry Classification System), facility, and facility location (jurisdiction). For calendar year 2018, three reporting industrial sectors accounted for 70.21 percent of the total on-site releases to the environment. The top three reporting industrial sectors were: Chemical Manufacturing, Paper Manufacturing, and Utilities. The text of the report provides additional information about the industrial sectors, facilities, and jurisdictions with the largest reported on-site release, on-site management, and other management of TRI chemicals.

The Virginia TRI Report provides the public with information concerning specified toxic chemicals and chemical compounds that are manufactured, processed, or otherwise used at Virginia facilities. Responsible use of the information can help the public and industry identify potential concerns and develop effective strategies for reducing toxic chemical usage and release. The TRI data does not, however, represent a measure of public exposure to chemicals, nor does it assess risk.

The overwhelming majority of the releases are regulated and permitted under other state and federal programs that are designed to protect human health and the environment. These programs include federal programs such as the Clean Air Act (CAA), Clean Water Act (CWA), and the Resource Conservation and Recovery Act (RCRA) and accompanying state laws such as the State Water Control Law, Air Pollution Control Board Law, and Virginia Waste Management Act. These programs include overall restrictions and standards established through permits or other applicable requirements.

Executive Summary

2018 Toxics Release Inventory

Information on the permit programs can be found at the following web address: http://www.deq.virginia.gov/Permits.aspx.

Because of differences in report generation schedules and receipt of reports, the information in the Virginia TRI Report will not precisely match the information in the national Toxics Release Inventory - Public Data Release, located at http://www2.epa.gov/toxics-release-inventory-tri-program/tri-data-and-tools, as published by EPA.

Introduction

Part One - Virginia TRI Reporting

Statutory and Regulatory Basis

The Virginia TRI Report is published annually pursuant to Virginia Code § 10.1-1186.1. The TRI Report contains information on the release, transfer, or management of listed chemicals and chemical categories, as reported by more than 400 Virginia industries and federal facilities. The facilities are required to submit their reports pursuant to the federal Emergency Planning and Community Right-to-Know Act (EPCRA), also known as SARA Title III. Virginia Code § 10.1-1186.1 directs DEQ to publish the Virginia TRI Report in March of each year and to include information for the most recent calendar year for which data are available, in this case, the calendar year 2018. The Virginia Code also directs the report to be organized by chemical, facility, facility location, and standard industrial classification (SIC) code. Federal regulations require facilities to submit their TRI reports to the U.S. Environmental Protection Agency (EPA) and to the Commonwealth. The Virginia TRI Report is compiled directly from the reports received from Virginia facilities.

A glossary of terms used in the Virginia TRI Report is included as Appendix A.

Current Year (2018) Virginia Facility Reports

Facilities are required to submit their reports for a calendar year by the following July 1st. For example, facilities were required to file their reports on their calendar year 2018 activities on or before July 1, 2019. Therefore, data for calendar year 2018 is the most recent available for the March 2020 report. This TRI Report includes all facility reports and revisions received by DEQ on or before January 7, 2020.

For reporting year 2018, 423 Virginia facilities filed 1,322 individual reports on the release or other management of TRI chemicals or chemical categories, compared to 422 facilities and 1,328 reports that were filed for reporting year 2017. Data for all reporting years are available to the public from DEQ.

A digital copy of the current reporting year 2018 TRI report and appendices, as well as reporting years 2011-2017 TRI reports, are available at:

 $\underline{http://www.DEQ.Virginia.gov/Programs/Air/AirQualityPlanningEmissions/SARATitleIII/SARA313ToxicsReleaseInventory.aspx}$

In 2018, Virginia facilities reported the release, transfer, or management of 139 of the more than 650 chemicals and chemical categories, which are subject to TRI reporting requirements.

Changes to the 2018 Virginia TRI Report

Continuing the policy changes which began with the 2002 report, on Dec. 26, 2017, EPA finalized a rule to update the list of NAICS codes reportable to TRI requiring the use of the 2017 NAICS codes reports due on July 1, 2019.

¹ 42 U.S.C. § 11023, or SARA § 313

Assessing risk is beyond the scope of the report and is subject to site-specific interpretations and calculations. Readers are encouraged to use the resources listed in the report, appendices, and other data to analyze the overall use, release, and management of TRI chemicals.

Virginia is one of 37 states participating in the State Data Exchange program for online data collection of TRI reports. States which join the TRI State Data Exchange can save resources by sending all of their data electronically via the Central Data Exchange (CDX). Participating states may be viewed at the following site http://www2.epa.gov/toxics-release-inventory-tri-program/tri-data-exchange.

Part Two - National Toxics Release Inventory Reporting Program

The National Toxics Release Inventory

The National Toxics Release Inventory was established to provide information to the public about the presence and release of toxic and hazardous chemicals in their communities. The Virginia TRI Report is compiled directly from reports Virginia facilities submit under federal law and regulations. Using those same authorities, EPA compiles and maintains nationwide information in the *Toxics Release Inventory – National Analysis*, which is available to the public on EPA's website at http://www.epa.gov/tri/. From inception, the national TRI program and Virginia's program have been expanding and evolving to meet the needs of an informed public. A list of supplementary resources on the program can be found in Appendix B and more detailed information about the historical changes to the TRI program can be found in Chapter Four.

Facilities Which Must Report

Under the national TRI program, a facility must submit a TRI report (or reports) to EPA and the state for the reporting year if:

- 1) The facility has 10 or more full-time employees (a combined total for all employees of 20,000 hours or more for the year);
- 2) The facility's primary business is within one of the covered North American Industrial Classification System (NAICS) codes. The covered industry sectors include metal mining, coal mining, paper and allied products, chemicals and allied products, petroleum terminals and bulk stations and others. The complete list of covered industry groups is provided in Appendix H; and
- 3) The facility manufactured, processed, or otherwise used a reportable toxic chemical in quantities greater than the established threshold during the course of a calendar year. The annual reporting thresholds for non-PBT TRI chemicals are 25,000 pounds for manufacturing, 25,000 pounds for processing, and 10,000 pounds for "otherwise use." For PBT chemicals, the thresholds for reporting are lower and vary by chemical. For example, dioxin and dioxin-like compounds have a threshold of 0.1 grams, while lead and lead compounds have a reporting threshold of 100 pounds. For PBT chemicals, these lower reporting thresholds apply whether the chemical is manufactured, processed, or otherwise used.

Virginia TRI Report – Summary of Data from 2018 Facility Reports (issued March 2020)

² The national TRI was established under Title III, Section 313, of the Federal Superfund Amendments and Reauthorization Act (SARA), which is also known as the Emergency Planning and Community Right-to-Know Act of 1986 (EPCRA), 42 U.S.C § 11023. The related federal regulations are found at 40 CFR Part 372.

A TRI reporting threshold screening tool is available on EPA's website at the following address: https://www.epa.gov/toxics-release-inventory-tri-program/tri-threshold-screening-tool.

Federal facilities also are required to comply with EPCRA and the Pollution Prevention Act (PPA) of 1990, in accordance with Executive Order 13148. The Executive Order requires all federal facilities which manufacture, process, or otherwise use any listed EPCRA Section 313 chemical above the reporting threshold to submit a TRI report. The first federal facility reports were submitted on or before July 1, 1995, for calendar year 1994.

Chemicals and Chemical Categories

For a chemical or chemical category to remain on or be added to the TRI list, the chemical must be known to cause or to reasonably be anticipated to cause one of the following:

- Adverse acute health effects at significant concentration levels beyond facility boundaries as a result of continuous or frequently occurring releases;
- Cancer in humans; or
- A significant adverse effect on the environment because of the chemical's toxicity and persistence in the environment.

As new chemicals of concern are identified, they are added to the TRI list. Conversely, if TRI chemicals are found not to meet the toxicity requirements, they can be deleted. Currently, the reportable TRI chemical list contains more than 650 chemicals and chemical categories. A complete list of TRI chemicals and chemical categories for calendar year 2018 reports is available to the public on EPA's website at http://www2.epa.gov/toxics-release-inventory-tri-program/tri-listed-chemicals.

For 2018, Virginia facilities reported the release, transfer, or management of 139 of the more than 650 chemicals and chemical categories which are subject to the TRI reporting requirements.

Reporting Forms and Activities Which Must Be Reported

Each year, reporting facilities submit one reporting form for each TRI chemical or chemical category which is manufactured, processed, or otherwise used in amounts equal to or greater than the threshold values. For each TRI chemical or chemical category, facilities must submit either a Form A (simplified form) or a Form R (long form). Examples of both forms for reporting year, 2018, are provided in Appendix D. Form A has restrictions governing its use.

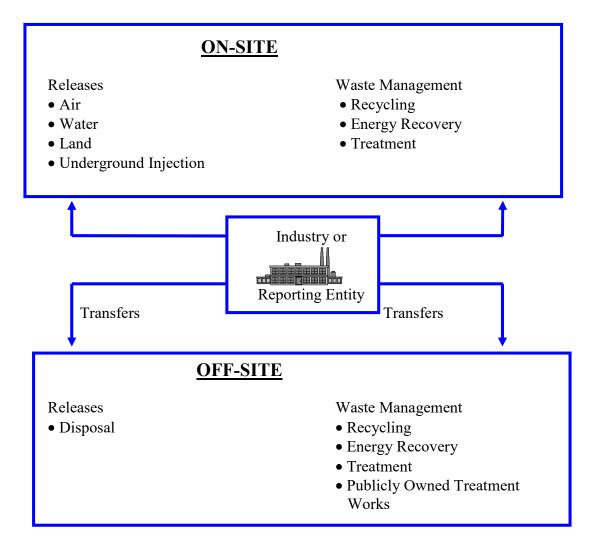
- The TRI Electronic Reporting Rule, effective January 21, 2014, now requires facilities to use EPA's Automated TRI Reporting Software TRI-Made Easy (TRI-ME) to submit the information electronically online via CDX.
- Reports containing trade secrets or revisions to reports previously containing trade secrets must still be submitted to EPA and Virginia via hard copy.

- The 2009 Omnibus Appropriation Act has returned TRI reporting requirements to the rules in effect prior to the TRI Burden Reduction Rule, announced in December 2006. The change requires that reports on PBT chemicals be submitted on the Form R.
- For all other chemicals, the shorter form, Form A, may be used only if the "annual reporting amount" is 500 pounds or less and the chemical was manufactured, processed, or otherwise used in an amount not exceeding 1 million pounds during the reporting year.

Data used to prepare quantitative information in the Virginia TRI Report come principally from Part II of the Form R reports, and specifically from Sections 5, 6, 7 and 8 of Part II, Form R. These sections are referred to throughout the Virginia TRI Report and are described below:

- exection 5: Quantity of toxic chemical entering each environmental medium on-site. Release reporting for on-site releases is broken down into categories: releases to the air (from stack and fugitive emissions), releases to water (on-site via Virginia Pollutant Discharge Elimination Systems (VPDES) permitted outfalls and to publicly owned treatment works (POTWs)), and releases to land (underground injection, disposal to land, Resource Conservation and Recovery Act (RCRA) Subtitle C landfill, other landfills, land treatment/application farming, surface impoundment, or other disposal).
- Section 6: Transfers of the toxic chemical in wastes to off-site locations. Section 6 contains two main subsections: transfers to POTWs and transfers to all other off-site locations (in-state or out-of-state). Facilities are required to provide the name and location of off-site locations, the quantity transferred, and the method of management (treated, disposed, recycled, or burned for energy recovery).
- Section 7: On-site waste treatment methods and efficiency (including energy recovery processes and recycling processes). Facilities are asked to provide mostly qualitative information about the on-site treatment processes, the estimated range of influent concentration, and the efficiency of the operation.
- Section 8: Source reduction and waste management. Section 8 was added to the Form R reporting as a result of the federal Pollution Prevention Act of 1990 to track production-related activities. Section 8 extracts and re-aggregates data reported in Sections 5 through 7 into environmental releases (production-related on-site and off-site releases), off-site transfers/management, and on-site management. Where Section 7 contains qualitative information about on-site management practices, a subsection of Section 8 asks for related quantitative data. Section 8 and its subsections also request previous year reporting and future year estimates for production-related releases, transfers for off-site management, and on-site management. Other subsections of Section 8 ask for episodic/catastrophic releases (non-production related), qualitative information about source reduction activities, and a production ratio or activity index to better gauge the facility's efforts in source reduction. The flow chart (Figure 1) on the following page illustrates the information collected on Form R for TRI chemicals.

Figure 1 - Schematic Diagram of the TRI Data Collected



Part Three - Uses and Limitations of TRI Data

The Virginia TRI Report provides the public, especially local emergency planning committees, with information concerning designated toxic chemicals and chemical categories manufactured, processed, or otherwise used at facilities, including the amounts released to the environment and managed as wastes.

Industry can use the data to: obtain an overview of use and release of toxic chemicals, identify and reduce costs associated with toxic waste, identify promising areas for pollution prevention, establish reduction targets, and measure and document progress toward reduction goals.

The public availability of the data has assisted many facilities in working with their communities to develop effective strategies for reducing environmental and human health risks that may result from toxic chemical releases.

Nevertheless, there are limitations on the use of TRI data:

- 1. The TRI Report contains reported information on the quantities of chemicals released and managed, not the public's exposure to, or risk from, the chemicals. Due to the limited nature of TRI data collected, readers are strongly discouraged from making any health or environmental risk/exposure assessments from the information presented. Risk to human health by a chemical release depends on the toxicity of the chemical; how it disperses, reacts, or persists in the environment; and the quantity, concentration, and type of human exposure. Furthermore, chemicals reported for the TRI Report are not weighted by their toxicity. For example, a pound of one substance may be more toxic or hazardous than 1,000 pounds of another. Most of the releases are permitted under other federal and state regulatory programs such as the CAA, CWA and RCRA. Data from these regulatory programs may provide additional information to better inform residents about their environment.
- 2. The TRI program captures only a portion of all toxic chemical releases in Virginia. The TRI reporting program does not account for TRI chemicals from most non-manufacturing facilities, facilities with fewer than 10 employees, facilities that do not meet the chemical quantity thresholds, other non-industrial sources, or transportation-related emissions.
- 3. The majority of facilities report TRI data based on estimates. The TRI program does not require facilities to monitor releases, only to use best available data in the facilities' estimates. Using different methods to estimate data can result in significant variability from one facility to another, as well as from one year to the next.
- 4. Patterns of releases and other waste management activities can change significantly from one year to the next. Thus, the data in this report for a specific facility may differ from those reported for a prior year. Although many facilities utilize Environmental Management Systems to improve efficiency and reduce waste, higher production often leads to higher releases.
- 5. Direct comparison between figures in the current year's report and figures in past Virginia TRI Reports is discouraged because of changes in reporting requirements and the authorized incorporation of revisions to previous years' data. Several historical comparisons, with appropriate standardization of data, are provided in Chapter 4 and Appendix E.
- 6. EPA is required by law to compile an annual *Toxics Release Inventory National Analysis* for the nation. The data in the Virginia TRI Report is anticipated to not completely correspond to the data published by the EPA. Contributing factors include: differing dates on which data are extracted for processing, revised facility reports, and facilities which mistakenly report to the commonwealth or EPA but not both. DEQ and EPA continue to work together to rectify such differences.

The data for calendar year 2018 show a decrease (5.56 percent) in the amount of TRI chemicals released on-site, transferred off-site and managed on-site from 2017 (see Chapter 4 for the 2016-2018 comparison table). There has been a downward trend in the amount of TRI chemicals released to the environment and managed as wastes in Virginia since the implementation of the TRI Program in 1988 with an overall decrease in the total amount of TRI reportable chemicals of over 41.88 percent between 2005 and 2015 as shown in the table in Appendix E. A decrease in the amount of TRI chemicals being recycled on-site and TRI chemicals being released to the land, water, and fugitive air accounted for the overall decrease in the total amount of TRI chemicals reported in 2018.

Chapter One - 2018 Virginia TRI Data Review

Chapter One describes the 2018 reporting year data, based on the type of activity and the chemicals and chemical categories reported. The chapter is divided into four parts. Part One presents an overview and summary of 2018 data collected. Part Two discusses on-site releases of TRI chemicals to the environment, whether to air, water, or land. These data are derived from Section 5 of the Form R reports. Part Three discusses the off-site transfers of TRI chemicals, whether to POTWs or to other off-site locations. These data are derived from Section 6 of the Form R reports. Part Four discusses on-site and off-site management activities. These data are derived from Section 8 of the Form R reports. While Chapter One includes all TRI chemicals, Chapter Two addresses PBT chemicals in more detail.

As described in the Introduction, Section 8 of the federal Form R asks facilities to extract and reaggregate certain data from Sections 5 and 6. To avoid double-counting these chemicals in the Overview and Summary, only data which are independent of Sections 5 and 6 are presented when discussing "On-Site Management" in Part One of this chapter. When discussing Section 8 data as a whole, however, all these data are used in Part Four of this chapter; including data extracted and re-aggregated from Sections 5 and 6, so the balance between various on-site and off-site management activities can be shown. Appendices F and G contain facility-specific information, arranged by jurisdiction, for TRI chemicals (excluding PBTs) and for PBT chemicals, respectively.

Part One - 2018 Overview and Summary

For calendar year 2018, Virginia facilities reported they released, transferred, or managed approximately 852.33 million pounds of TRI chemicals (see Table 1).

Approximately 28.25 million pounds of TRI chemicals were reported to have been released on-site to the environment. Air releases represented 16.51 million pounds, or 58.44 percent of all the TRI chemicals released on-site in 2018. Releases to the water totaled approximately 9.14 million pounds, or 32.35 percent of the total released on-site. Releases to the land totaled approximately 2.60 million pounds, or 9.21 percent of the total released on-site. For 2018, the amount of TRI chemical releases to the environment represented approximately 3.31 percent of the total TRI chemicals reported.

The majority of the reported releases occurred under a federal or state permit program designed to protect human health and the environment.

Off-site transfers totaled approximately 66.15 million pounds of TRI chemicals. Off-site transfers to POTWs totaled approximately 17.78 million pounds. Off-site transfers to other (non-POTW) facilities (for treatment, recycling, energy recovery, and disposal) totaled approximately 48.38 million pounds. For 2018, the amount of TRI chemicals transferred off-site represented approximately 7.77 percent of the total for TRI chemicals by this measure.

For 2018. facilities reported that approximately 757.93 million pounds were managed on-site by treatment, recycling, or energy recovery which represents approximately 88.92 percent of the total TRI chemicals.

Table 1. Summary of Data by Type of Release, Transfer, and On-Site Management for TRI Chemicals (in pounds per year)

Total TRI Chemicals Released Onsite to Media, Transferred Off-site, or Managed On-site by Reporting Facilities	852,333,889.48	
Total On-Site Management		757,930,471.48
Energy Recovery On-Site	3,251,145.00	
Recycled On-Site	651,206,005.27	
Treated On-Site	103,473,321.21	
On-Site Management (From Section 8 of Form R) *		
Total Off-Site Transfers		66,154,974.28
Treatment Off-Site Transfers for Other Off-Site Transfers for Disposal	17,268,575.57 2,972,139.23	
Off-Site Transfers for Energy Recovery Off-Site Transfers for Other	3,518,089.44	
Off-Site Transfers for Recycling	24,620,738.08	
Total Other Off-Site Transfers		48,379,542.31
(POTWs) (includes metals and metal compounds)		
of Form R) Publicly Owned Treatment Works		17,775,431.97
Off-Site Transfers By Type (Section 6		
Total On-Site Releases to Media		28,248,443.72
Other Disposal	489,651.44	
Surface Impoundment	34,617.49	
Land Treatment / Application	44,182.10	
Landfills	2,033,957.78	
Total Land		2,602,408.81
Total Water	13,010,102.27	9,137,577.54
Stack Air	13,046,162.27	
Fugitive Air	3,462,295.09	10,500,457.50
On-Site Releases By Media (Section 5 of Form R) Total Air		16,508,457.36

^{*} The data for the on-site management of TRI chemicals are a summary of data collected from Part II, Sections 8.2, 8.4 and 8.6 of the Form R. These sections, in turn, are quantitative data not reported anywhere else in the Form R and reflect the descriptive data reported in Part II, Section 7 (on-site management practices - treatment, energy recovery, and recycling) of the Form R. Data extracted and re-aggregated to Section 8 from Sections 5 and 6 of Form R have not been included here to avoid duplicate counting.

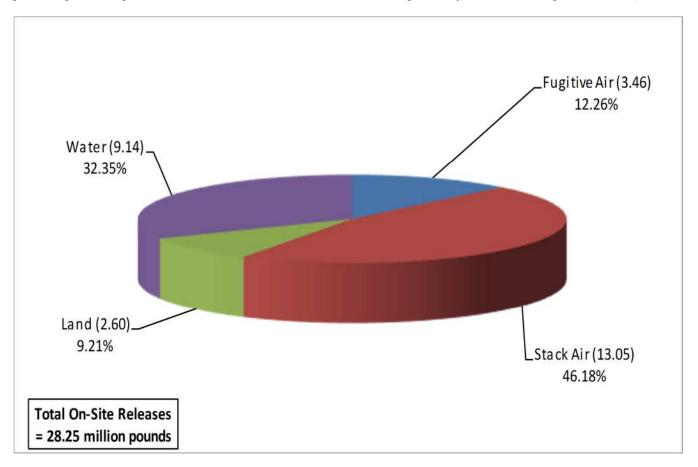
Part Two - On-Site Releases to the Environment

Part Two of Chapter One discusses the on-site releases to the environment by facilities, as reported in Section 5 of the TRI Form R. The quantities reported include production-related releases, any catastrophic releases or one-time events not associated with routine production processes.

A release refers to an on-site discharge of TRI chemicals to the air, water, land, and/or disposal in underground injection wells. Any reductions in waste achieved by on-site treatment methods are taken into account when facilities determine their release data.

Approximately 28.25 million pounds of TRI chemicals were reported as released into the environment by reporting facilities for reporting year 2018.

Figure 2. On-Site Releases of TRI Chemicals to All Media for Reporting Year 2018 (From Section 5 of Form R. The number inside the parentheses is the quantity of releases in each category in millions of pounds and the percent figure is the percent of total on-site releases. There were no underground injection releases reported in 2018.)

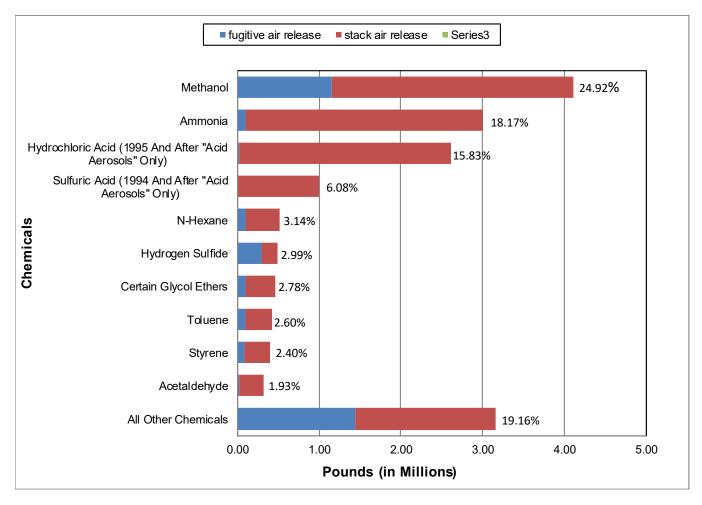


On-Site Releases to the Air

On-site air releases are classified as either "fugitive" (non-point source) or "stack" (point source) air emissions. Examples of fugitive air emissions are equipment leaks from valves, pump seals, flanges, compressors, sampling connections, open-ended lines, and evaporative losses from surface impoundments and spills. Stack air emissions are releases which are conveyed through stacks, ducts, pipes, vents, or other confined air streams. Most facilities reporting stack emissions to TRI are required to have permits for the control of those emissions.

Based on the amount of fugitive and stack emissions reported, the total amount of releases to the air of all TRI chemicals was approximately 16.51 million pounds, which accounted for 58.44 percent of the total on-site releases to all media (air, water, and land). Ten TRI chemicals released to the air made up approximately 80.84 percent of the total reported TRI air emissions in 2018 (See Figure 3). Those 10 chemicals were: methanol, ammonia, hydrochloric acid, sulfuric acid, n-hexane, hydrogen sulfide, certain glycol ethers, toluene, styrene, and acetaldehyde. Most reported acid aerosols such as hydrochloric acid and sulfuric acid were reported as generated during the combustion of coal or oil. Electric power generating facilities contributed to the emissions of acid aerosols. Ammonia, methanol, and toluene continued to be the air pollutants reported primarily from the manufacturing sector.

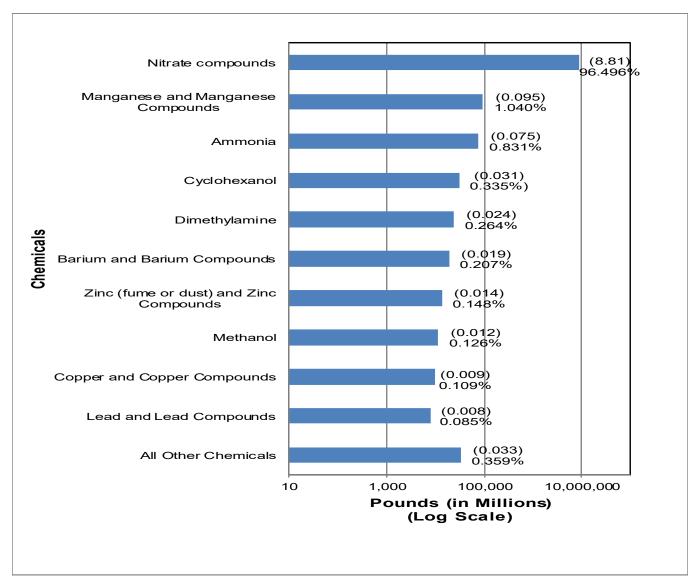
Figure 3. Top 10 TRI Chemicals Released to the Air On-Site in 2018 (From Section 5 of Form R. The number next to each bar is the percent of total air releases for all 2018 chemicals reported.)



On-Site Releases to Water

On-site releases to water include discharges to surface waters, such as rivers, lakes, ponds, and streams. These discharges are often from VPDES permitted outfalls. Reported on-site releases of TRI chemicals to water in 2018 totaled approximately 9.14 million pounds and accounted for 32.35 percent of all on-site releases to the air, water, and land in 2018. Ten chemicals and chemical categories accounted for more than 99.64 percent of the on-site TRI chemical releases to the water. Those 10 TRI chemicals were: nitrate compounds (96.49 percent of total releases to water), manganese and manganese compounds, ammonia, cyclohexanol, dimethylamine, barium and barium compounds, zinc and zinc compounds, methanol, copper and copper compounds and lead and lead compounds. Nitrate compounds are a common byproduct of industrial wastewater treatment processes and have consistently been reported as the chemical released in the highest quantity to surface water.

Figure 4. Top Ten10 TRI Chemicals Released to Water On-Site in 2018 (From Section 5 of Form R. The information presented here is in logarithmic, base 10 scale, which compresses the bar chart to show up to 450 fold magnitudes of the difference between nitrate compounds and other chemicals. The number by the bars represents the quantity in millions of pounds followed by percent of total reported releases to water.)

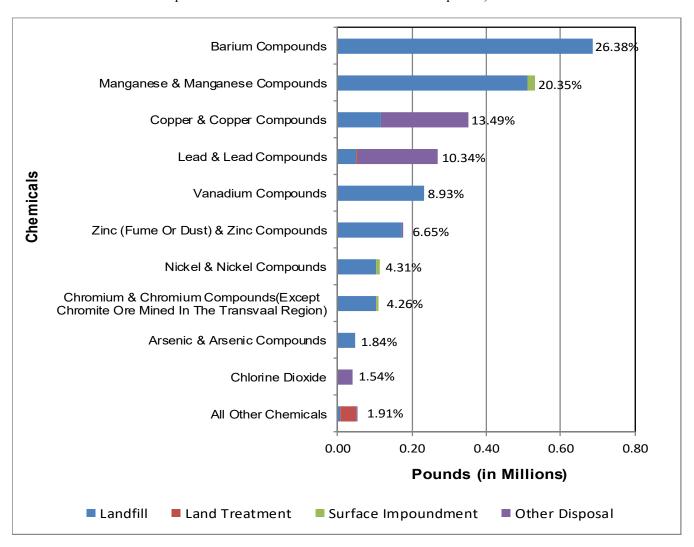


On-Site Releases to the Land

On-site releases to the land refer to land filling, surface impoundment, land treatment/application for farming, or any other release of a TRI chemical to land within the boundaries of a facility. Virginia does not permit underground injection as a method of hazardous waste disposal (nor was any reported) and no underground injection or RCRA Subtitle C permitted land disposal of TRI chemicals was reported.

The total amount of TRI chemicals released to the land in Virginia during 2018 was approximately 2.60 million pounds, which accounted for 9.21 percent of all reported on-site TRI releases (releases to the air, water, and land). Ten chemicals constituted approximately 98.09 percent of all of the TRI chemicals released to the land. They were: barium compounds, manganese and manganese compounds, copper and copper compounds, lead and lead compounds, vanadium compounds, zinc and zinc compounds, nickel and nickel compounds, chromium and chromium compounds, arsenic and arsenic compounds, and chlorine dioxide (Figure 5). Metals and metal compounds such as barium are found naturally in coal combusted for energy generation and in the ashes remaining after combustion of the coal.

Figure 5. Top 10 TRI Chemicals Released On-Site to the Land in 2018 (From Section 5 of Form R. The number next to each bar is the percent of total on-site land releases for all 2018 reported.)



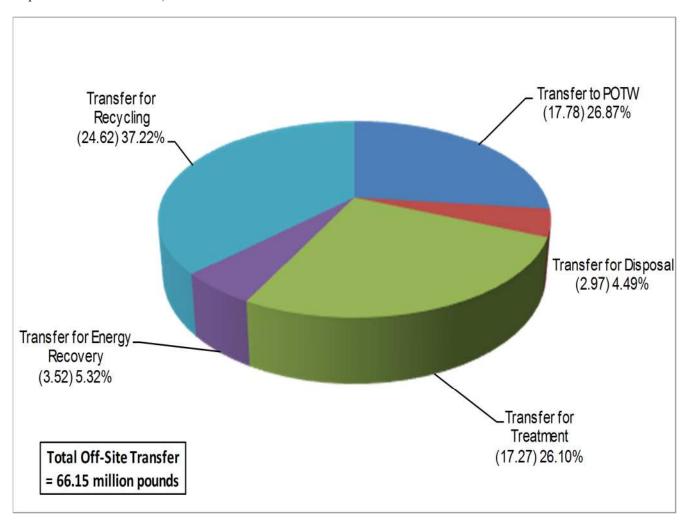
Part Three - Off-Site Transfers

Transfers refer to TRI chemicals sent off-site. Transfers are reported as transfers to POTWs or other off-site destinations which are not part of the reporting facility, such as incinerators, landfills, or other facilities for treatment, recycling, energy recovery, or disposal.

In this section, data were collected from Section 6 of Form R.

For 2018, approximately 66.15 million pounds of TRI chemicals were reported as sent off-site for further management or disposal.

Figure 6. All Off-Site Transfers of TRI Chemicals for Reporting Year 2018 (From Section 6 of Form R. The number inside the parentheses is the quantity of transfers in each category in millions of pounds and the percent figure is the percent of total transfers.)



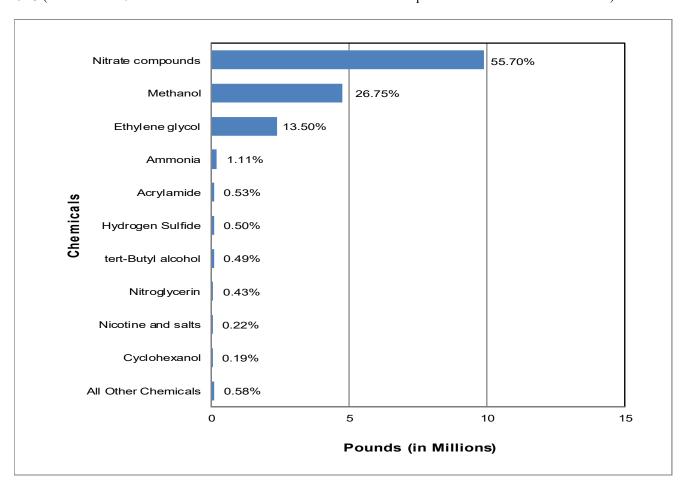
Transfers to Publicly Owned Treatment Works

A POTW is a wastewater treatment facility which is owned by a state or local government. Wastewater from facilities reporting under TRI is transferred through pipes or sewers to the POTW. The TRI information summarized below reports transfers of a chemical to a POTW; however, a transfer to a POTW is not necessarily the same as the release of a chemical to the environment. TRI chemicals may be treated, destroyed, and/or removed from the environment in a POTW's physical, chemical, and biological treatment processes. Some TRI chemicals are almost completely destroyed by a POTW. However, not all chemicals can be treated or removed by a POTW. Some chemicals such as metals and metal compounds may be removed but not destroyed. These metals may ultimately be disposed of in a permitted landfill, disposed of in a permitted land application process, or released through a permitted discharge to receiving waters.

Ten TRI chemicals accounted for approximately 99.42 percent, or 17.67 million pounds of the approximately 17.78 million pounds of TRI chemicals transferred to POTWs in reporting year 2018.

Nitrate compounds were the leading pollutant discharged to POTWs for treatment for this reporting period. The other nine top-reported chemicals transferred were: methanol, ethylene glycol, ammonia, acrylamide, hydrogen sulfide, tert-butyl alcohol, nitroglycerin, nicotine and salts and cyclohexanol.

Figure 7. Top 10 TRI Chemicals Transferred to Publicly Owned Treatment Works (POTWs) in 2018 (From Section 6.1 of the Form R. The number next to each bar is the percent of total transfers to POTWs.)

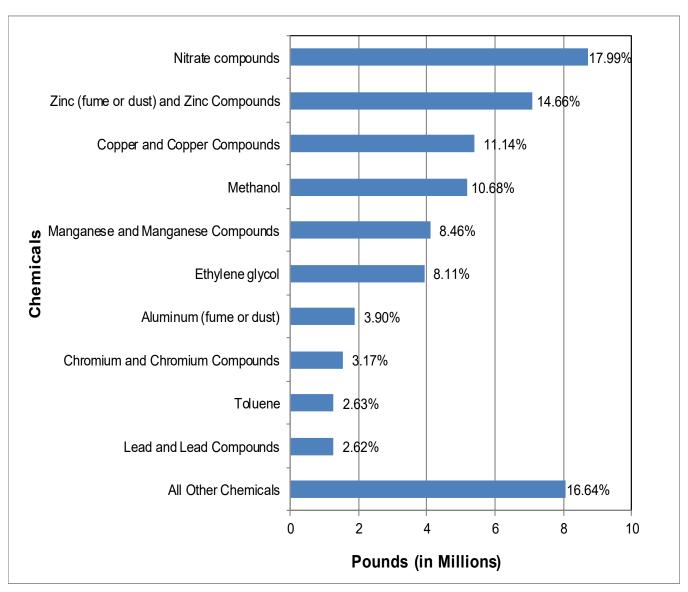


Transfers to Other Off-Site Locations

The Form R also reports transfers of TRI chemicals to facilities other than POTWs. These off-site locations include incinerators, landfills, other treatment, energy recovery, recycling, and/or disposal facilities. Off-site transfers can be to facilities located inside or outside of the Commonwealth.

In 2018, the total amount of TRI chemicals transferred to other off-site locations was approximately 48.38 million pounds. Ten TRI chemicals represented approximately 83.36 percent of the total TRI chemicals transferred off-site to locations other than POTWs. Those 10 chemicals and chemical categories transferred off-site to locations other than POTWs in reporting year 2018 were: nitrate compounds, zinc and zinc compounds, copper and copper compounds, methanol, manganese and manganese compounds, ethylene glycol, aluminum (fumes or dust), chromium and chromium compounds, toluene and lead and lead compounds.

Figure 8. Top 10 TRI Chemicals Transferred to Off-Site Locations Other than POTWs in 2018 (From Section 6.2 of the Form R. The number next to each bar is the percent of total transfers to other off-site locations.)



Part Four - On-Site and Off-Site Management

Under the Pollution Prevention Act of 1990, facilities subject to EPCRA Section 313 must report their source reduction and recycling activities. Consequently, EPA added Section 8 to the Form R (Appendix D) to track production-related activities. Section 8 contains 11 subsections and requires facilities to extract and re-aggregate data reported in Sections 5 through 7 into releases (on-site and off-site releases to the environment); off-site transfers/management; and on-site management categories. This part of Chapter One discusses all of the data included in Section 8 to track production-related activities so the relative methods of toxic chemical management can be compared.

Some of the data and information reported in Sections 5, 6 and 7 are handled differently for Section 8 reporting. The differences are the releases-to-the-environment data in Section 8 exclude catastrophic releases and one-time events not associated with the production process. Furthermore, metal and metal compounds reported as transfers for off-site management in Section 6 are aggregated with the on-site release data from Section 5 as releases to the environment. Metal and metal compounds cannot be destroyed through treatment; hence, their final disposal is considered a release to the environment. There are other differences in how quantities are reported, so the total toxics managed, as reported in Section 8, do not precisely match the total in Table 1. Also, Section 8 is the only part of the Form R which contains quantitative data on on-site waste management activities other than releases. While Section 7 contains qualitative information about on-site management practices, a subsection of Section 8 asks for quantitative data related to information reported in Section 7.

Consistent with the pollution prevention goal, Section 8 of Form R and its subsections also report additional information which addresses resource reduction efforts. In general, facilities utilize several options to manage TRI chemicals. Treatment of waste, both on-site and off-site, involves a variety of methods, including biological treatment, neutralization, incineration, and physical separation. Another option is on-site or off-site recycling. On-site or off-site recycling involves the toxic chemicals in waste being recovered or reclaimed and being returned for further processing or being made available for use in commerce. Energy recovery involves the combustion of toxic chemicals in industrial furnaces or boilers which generate energy for on-site or off-site use. The least preferable and last management option is disposal, which is considered a release to the environment.

As reported in Section 8 of the 2018 facility reports, 852.33 million pounds of production-related TRI chemicals were released, treated, recycled, or recovered both on-site and off-site from Virginia facilities.

Approximately 88.92 percent of the TRI chemicals were managed on-site and 3.31 percent of the TRI chemicals were released into the environment on-site. About 7.77 percent of the TRI chemicals were transferred off-site to be managed by various means.

Chapter Two - 2018 TRI Data for PBT Chemicals

Persistent bio-accumulative toxic chemicals are those which remain in the environment for long periods of time, are not readily destroyed, and build up or accumulate in body tissue. Because of these characteristics, beginning with reporting year 2000, EPA added several PBT chemicals to the TRI reporting list and lowered the reporting thresholds for 18 PBT chemicals and chemical categories.

For reporting year 2018, DEQ received 282 reports and revisions for PBT chemicals, out of a total of 1,322 TRI reports and revisions (21.33 percent).

Table 2 shows the reporting thresholds for the TRI PBTs. The table also shows that 12 of the 20 PBTs were reported as released, transferred, or managed by facilities in Virginia for reporting year 2018. Appendix G has facility-specific information for PBT chemicals.

Table 2. TRI Reporting Year 2018 Persistent Bio-accumulative Toxic Chemicals - Reporting Thresholds and Number of Reports Received

CAS Number	Chemical /Chemical Category Name	al /Chemical Category Name Reporting Threshold	
309-00-2	Aldrin	100 lbs.	0
191-24-2	Benzo(g,h,i)perylene	10 lbs.	22
57-74-9	Chlordane	10 lbs.	1
N150	Dioxin and Dioxin-Like Compounds	0.1 gram	16
76-44-8	Heptachlor	10 lbs.	1
118-74-1	Hexachlorobenzene	10 lbs.	0
465-73-6	Isodrin	10 lbs.	0
7439-92-1	Lead	100 lbs.	94
N420	Lead Compounds	100 lbs.	82
7439-97-6	Mercury	10 lbs.	4
N458	Mercury Compounds	10 lbs.	21
72-43-5	Methoxychlor	100 lbs.	1
29082-74-4	Octochlorostyrene	10 lbs.	0
40487-42-1	Pendimethalin	100 lbs.	0
608-93-5	Pentachlorobenzene	10 lbs.	0
1336-36-3	Polychlorinated biphenyls (PCBs)	10 lbs.	1
N590	Polycyclic aromatic compounds (PACs)	100 lbs.	38
79-94-7	Tetrabromobisphenol A (TBBPA)	100 lbs.	1
8001-35-2	Toxaphene	10 lbs.	0
1582-09-8	Trifluralin	100 lbs.	0

Table 3 provides an overview and summary of 2018 PBT data. The data are organized as in Table 1, Chapter 1. In order to avoid duplicate counting, data extracted and re-aggregated in Section 8 from Sections 5 and 6 of Form R have not been included as "On-Site Management" in Table 3.

Table 3. Summary of Data by Type of Release, Transfer and On-Site Management for PBT Chemicals (Dioxin and dioxin-like compounds are listed separately from the "Other PBT Chemicals" column because they were reported in grams, while the other PBT chemicals were reported in pounds. A conversion to pounds is shown adjacent to the reported number of dioxins in grams.)

On-Site Releases By Media	Dioxin and Di Compounds*in an	Other PBT chemicals in amounts for the year		
	year		amounts for the year	
(Section 5 of Form R)	Grams (g)	Pounds (lbs)	Pounds (lbs)	
Total Air	8.28	1.83E-02	13,638.67	
Fugitive Air	0.02	5.51E-05	2,508.26	
Stack Air	8.25	1.82E-02	11,130.41	
Water	1.18	2.60E-03	7,765.57	
Land	0.87	1.92E-03	270,336.71	
Total On-Site Releases to Media	10.33	2.28E-02	291,740.95	
Off-Site Transfers By Type				
(Section 6 of Form R)				
Publicly Owned Treatment Works	0.00	0.00E+00	683.44	
(POTWs)				
(includes metals and metal				
compounds)				
Total Other Off-Site Transfers	10.73	2.37E-02	1,277,229.89	
Off-Site Transfers for Recycling	0.00	0.00E+00	1,124,981.78	
Off-Site Transfers for Energy	0.00	0.00E+00	19,866.20	
Recovery				
Off-Site Transfers for Other	0.00	0.00E+00	2,854.12	
Treatment				
Off-Site Transfers for Disposal	10.73	2.37E-02	129,527.79	
Total Off-Site Transfers	10.73	2.37E-02	1,277,913.33	
ON-SITE MANAGEMENT				
(Section 8 of Form R)				
Treated On-Site	0.00E+00	0.00E+00	8.10	
Recycled On-Site	0.00E+00	0.00E+00	58,573.96	
Energy Recovery On-Site	0.00E+00	0.00E+00	0.00	
Total On-Site Management	0.00E+00	0.00E+00	58,582.06	
Total PBT Chemicals Released	21.06	0.05	1,628,236.34	
On-site, Transferred Off-site, and				
Managed On-site by Reporting				
Facilities				

^{*} Facilities are allowed to report PBT chemicals up to 7 decimal places of accuracy. For presentation purposes the summary amounts in this table have been rounded; however, the integrity of facility reported data has been maintained in the database. The specific data reported by each facility are provided in Appendix G.

Comparing Table 3 (PBT information) to Table 1 (information on all TRI chemicals), the amount of reported PBTs released on-site (291,741 pounds) was approximately 1.03 percent of the total TRI chemicals released on-site to the environment. The reported PBTs managed on-site (55,582 pounds) were less than one percent (0.19 percent) of the total TRI chemicals managed on-site. The reported PBTs transferred off-site for treatment, recycling, energy recovery, or disposal (1.27 million pounds) were approximately 1.93 percent of the total TRI chemicals transferred off-site. In 2017, the previous reporting year, the on-site releases of PBT contributed to 0.80 percent of the total releases, 0.01 percent of on-site management, and 1.29 percent of off-site transfers.

Information on the amounts of each individual chemical or chemical category released on-site, transferred off-site, and managed on-site for the twelve PBT chemicals reported by Virginia facilities is provided in Table 4.

Table 4. Reporting Year 2018 Amounts of TRI PBT Chemicals Released On-Site, Transferred Off-Site, and Managed On-Site by PBT (Dioxin and Dioxin-like compounds have been converted to pounds and included in the totals.)

Chemical Name	Released On-Site (in pounds)	Transferred Off- Site (in pounds)	Managed On- Site (in pounds)
Benzo(g,h,i)perylene	11.97	618.51	1,090.00
Chlordane	0.00	500.00	0.00
Dioxin and Dioxin-Like Compounds	0.02	0.02	0.00
Heptachlor	0.00	100.00	0.00
Lead	82,886.79	285,262.51	0.00
Lead Compounds	206,082.92	981,868.41	16.00
Mercury	2.33	1,479.50	0.00
Mercury Compounds	1,304.71	199.44	0.00
Methoxychlor	0.00	100.00	0.00
Polychlorinated biphenyls	0.00	47.92	0.00
Polycyclic aromatic compounds (PACs)	1,452.23	7,525.04	57,476.06
Tetrabromobisphenol A	0.00	212.00	0.00
Total for all 12 chemical/categories	291,740.97	1,277,913.35	58,582.06

Of the PBTs listed in Table 4, lead, lead compounds, and PACs represented the most reported on-site releases to the environment, off-site transfers, and on-site management of PBT chemicals. Lead and lead compounds contributed to the bulk (99.05 percent) of the PBT on-site releases. Referring to Figure 5 in Chapter 1, lead and lead compounds ranked fourth in chemicals released on site to land in Virginia. Releases of lead and lead compounds and mercury and mercury compounds to the air (via stacks) or to the land (through fly ash disposal) can result from coal or oil combustion. PACs may form as a result of incomplete combustion of coal or oil or as a by-product of other industrial processes. PACs found in the waste stream can contain adequate British thermal units (BTUs) for energy recovery from incinerated waste.

Table 5 data show the distribution of PBTs versus reported activities (manufacturing, processing, or otherwise use). A facility may report more than one type of activity for a single TRI chemical.

Table 5. Activities and Uses of PBT chemicals at facilities (From Section 3 of the Form R) for 2018

Chemical Name	Manufacturing Only	Processing Only	Otherwise Use Only	Both Manufacturing & Processing	Both Manufacturing & Otherwise Use	Both Processing & Otherwise Use	Manufacturing & Processing & Otherwise Use
Benzo(g,h,i)perylene	4	13	0	1	3	0	3
Chlordane	0	0	1	0	0	0	0
Dioxin and Dioxin- Like Compounds	34	2	0	2	0	0	1
Heptachlor	0	0	0	0	0	0	0
Lead	0	67	23	5	3	6	1
Lead Compounds	10	28	14	11	10	3	10
Mercury	0	3	0	2	0	0	0
Mercury Compounds	6	5	1	4	5	0	3
Methoxychlor	0	0	0	0	0	1	0
Polychlorinated biphenyls	0	0	0	0	0	0	0
Polycyclic aromatic compounds (PACs)	4	12	3	5	13	0	3
Tetrabromobisphenol A	0	0	0	0	1	0	0
Total for all 12 chemicals/categories	58	130	42	30	34	10	21

Table 5 shows "processing only" was the most frequently reported activity (130) involving PBT chemicals. "Processing only" was followed by "manufacturing only" (58) and "otherwise use only" (42).

The major industrial sectors which reported processing of lead or lead compounds were the furniture and fixture industries; stone, clay, glass, and concrete products industries; primary metal and fabricated metal products industries; electronic or electrical equipment manufacturers; petroleum bulk plant operators; and manufacturer of transportation equipment.

Dioxin and dioxin-like compounds are normally a product of incomplete combustion of waste streams containing chlorinated products.

Lead or lead compounds can be co-manufactured under chemical manufacturing processes or as a by-product of fuel (coal or fuel oil) combustion.

Industries such as primary metal; stone, clay, and glass products; transportation equipment manufacturers; electric power generation facilities; solvent recovery facilities; and paper and allied products industries were key reporters of lead compounds and mercury compounds in all three (manufacturing, processing, and otherwise used) activities.

Chapter Three – Industrial Sectors, Facilities and Locations

In this chapter, data are presented by industrial sectors, as identified by the primary North American Industry Classification System Code (Part One), facilities (Part Two), and facility locations (Part Three). The chapter identifies the top 10 Virginia industrial sectors, facilities, and facility locations (also referred to as jurisdictions) based on the reported on-site releases and the total on-site management of TRI chemicals.

As with Table 1 (Chapter 1) and Table 3 (Chapter 2), in order to avoid double counting, the data in this chapter for on-site management do not include the data extracted and re-aggregated from Sections 5 and 6 of Form R. Complete rankings of industrial sectors, facilities, and jurisdictions are included in Appendices H, I and J.

Part One - Industrial Sectors

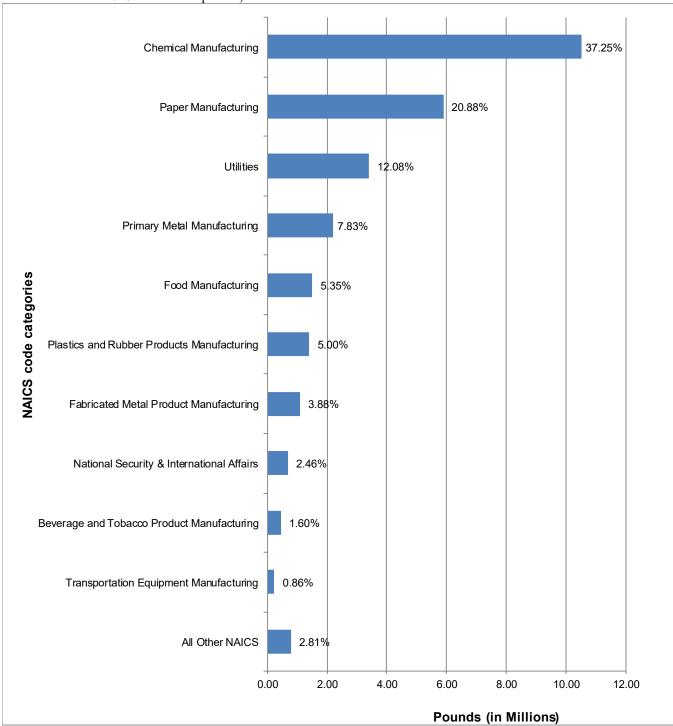
Industrial Sectors Reporting On-Site Releases of TRI Chemicals

Twenty-six industrial sectors, including federal facilities, are subject to TRI reporting requirements (see Appendix C).

The three industrial sectors reporting the most on-site releases of TRI chemicals for 2018, based on the primary North American Industrial Classification System (NAICS) Code, were: chemical manufacturing; paper manufacturing; and utilities (electric, gas, and sanitary services). These three sectors contributed to 70.21 percent of the total on-site releases to the environment. The remaining top 10 industrial sectors for 2018 were: primary metal manufacturing, food manufacturing, plastics and rubber manufacturing, fabricated metal product manufacturing, national security and international relations, beverage and tobacco product manufacturing, and transportation equipment manufacturing.

A complete ranking of industrial sectors reporting on-site TRI releases is provided in Appendix H-1.

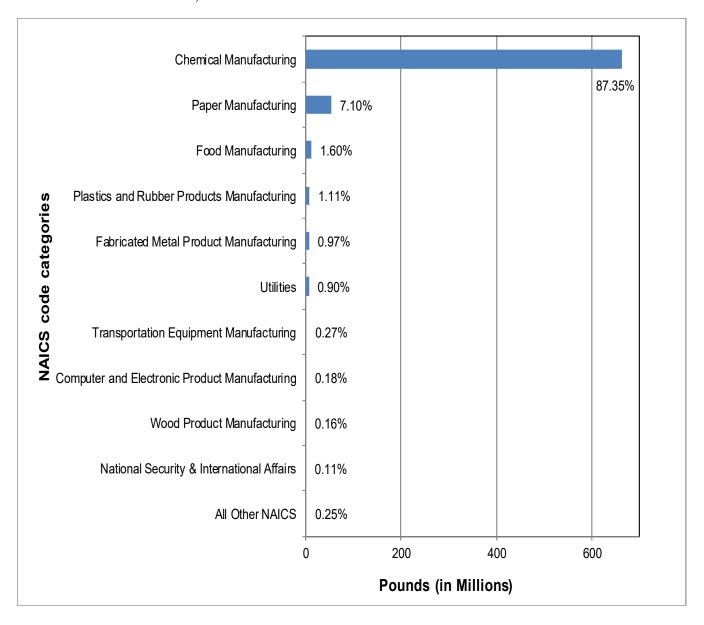
Figure 9. Top 10 Reporting Industrial Sectors (based on NAICS codes) Releasing TRI Chemicals On-Site in Virginia for 2018 (From Section 5 of the Form R. The number next to each bar is the percent of total onsite releases for all 2018 chemicals reported.)



Industrial Sectors Reporting On-Site Management of TRI Chemicals

The three industrial sectors reporting the most on-site management of TRI chemicals (see Figure 10) for 2018 based on the primary NAICS Code were: chemical manufacturing, paper manufacturing, and food manufacturing. These three sectors contributed to 96.05 percent of the total of on-site management of TRI chemicals. The remaining top 10 industrial sectors for 2018 were: plastics and rubber manufacturing, fabricated metal products manufacturing, utilities, transportation equipment manufacturing, computer and electronics manufacturing, wood product manufacturing, and national security and international affairs. A complete ranking of industrial sectors reporting on-site TRI management is provided in Appendix H-2.

Figure 10. Top 10 Reporting Industrial Sectors (based on NAICS codes) Managing TRI Chemicals On-Site in Virginia for 2018 (From Section 8 of the Form R. The number next to each bar is the percent total of on-site management for all 2018 chemicals reported. Figure 10 does not include the data extracted and re-aggregated from Sections 5 and 6 of Form R.)



Part Two - Facilities

Facilities Reporting On-Site Releases of TRI Chemicals

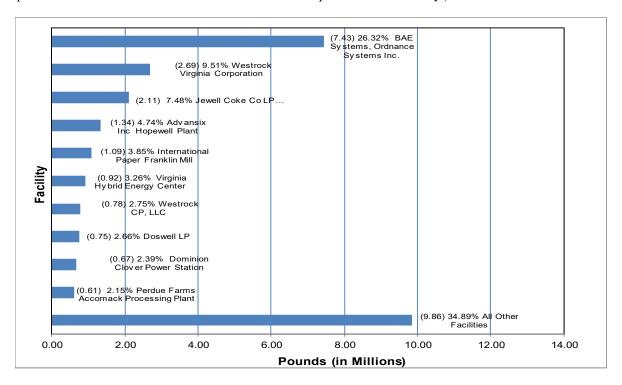
Virginia facilities that reported the highest contributions to the on-site release of TRI chemicals to the air (fugitive and stack), water, and land in 2018 were:

- BAE Systems, Ordnance Systems Inc.- Radford, Montgomery County
- Westrock Virginia Corporation City of Covington
- Jewell Coke Co L.P. Buchanan County
- Advansix, Inc. Hopewell Plant City of Hopewell
- International Paper Franklin Mill City of Franklin
- Virginia City Hybrid Energy Center Wise County
- Westrock CP, LLC West Point, King William County
- Doswell L.P. Hanover County
- Dominion Clover Power Station Clover, Halifax County
- Perdue Farms Accomack Processing Plant Accomack County

These facilities accounted for 65.11 percent (18.39 million pounds) of all reported TRI releases for 2018. Of the 10 facilities, three are power generation facilities; three are paper manufacturing facilities; two are chemical manufacturing facilities; one is a food processing facility; and one is a petroleum and coal products manufacturing facility.

Figure 11 shows the quantity of TRI chemicals each of these facilities released in Virginia in 2018. See Appendix I-1 for a complete ranking of on-site releases by facility.

Figure 11. 2018 Top 10 Virginia Facilities Reporting Releases of TRI Chemicals On-Site (From Section 5 of Form R. The numbers next to each bar are the total on-site releases (in millions of pounds), in the parentheses and the percent of total on-site releases for all 2018 chemicals reported for each facility.)



Facilities Reporting On-Site Management of TRI Chemicals

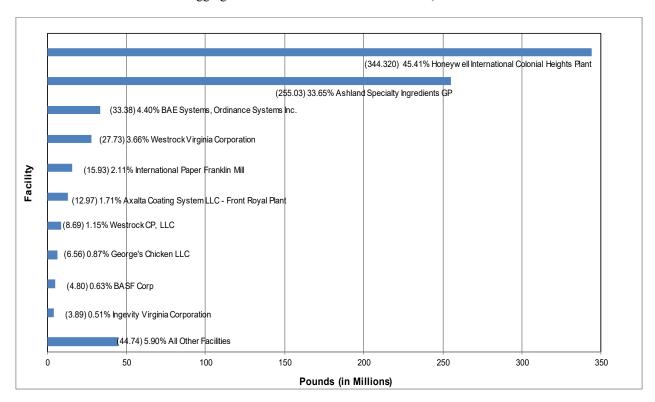
Figure 12 shows the 10 Virginia facilities reporting management of the greatest quantity of TRI chemicals on-site in 2018 other than releases. These facilities were:

- Honeywell International Colonial Heights Plant City of Colonial Heights
- Ashland Specialty Ingredients GP City of Hopewell
- BAE Systems, Ordinance Systems Inc. Radford, Montgomery County
- Westrock Virginia Corporation City of Covington
- International Paper Franklin Mill City of Franklin
- Axalta Coating Systems, LLC Front Royal Plant Front Royal, Warren County
- Westrock CP, LLC West Point, King William County
- George's Chicken LLC Edinburg, Shenandoah County
- BASF Corporation City of Suffolk
- Ingevity Virginia Corporation City of Covington

These facilities accounted for approximately 94.10 percent (713.19 million pounds) of all reported onsite management (other than releases) in 2018.

Figure 12 shows the quantity each of these facilities managed on-site. Of the 10 facilities, six are chemical manufacturing facilities; three are paper manufacturing facilities; and one is a food manufacturing facility. See Appendix I-2 for a ranking of on-site management by facility.

Figure 12: 2018 Top 10 Virginia Facilities Managing TRI Chemicals On-Site, Other than Releases (From Section 8 of the Form R. The number next to each bar is the total on-site management (in millions of pounds) for each facility, in the parentheses, and the percent of total on-site management of TRI chemicals for each facility. This figure does not include the data extracted and re-aggregated from Sections 5 and 6 of Form R.)



Part Three - Jurisdictions

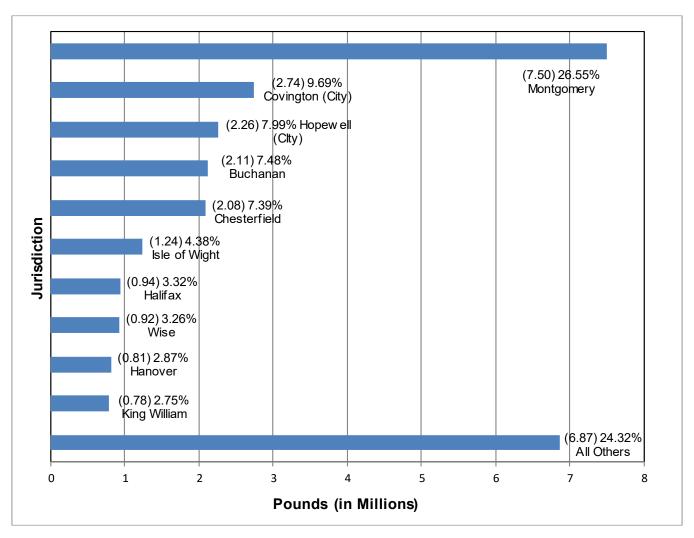
Jurisdictions with Facilities Reporting On-Site Releases of TRI Chemicals

The Virginia jurisdictions (counties and independent cities) with facilities having the largest reported amount of total TRI chemicals released on-site to the environment (air, water, and land) in 2018 were: Montgomery County, City of Covington, City of Hopewell, Buchanan County, Chesterfield County, Isle of Wight County, Halifax County, Wise County, Hanover County, and King William County.

The reported on-site releases occurring within these jurisdictions comprised 75.68 percent (21.38 million pounds) of the total TRI chemicals released on-site into the environment by reporting facilities in Virginia.

Appendix J-1 contains a ranking of jurisdictions by the on-site releases of facilities located in each jurisdiction. Furthermore, Appendices F and G contain detailed information about facilities located in these jurisdictions.

Figure 13. 2018 Top 10 Virginia Jurisdictions for On-Site TRI Releases Reported by Facilities (From Section 5 of the Form R. The number next to each bar represents the total on-site releases (in millions of pounds), in the parentheses, and the percent of the total on-site releases for each jurisdiction.)

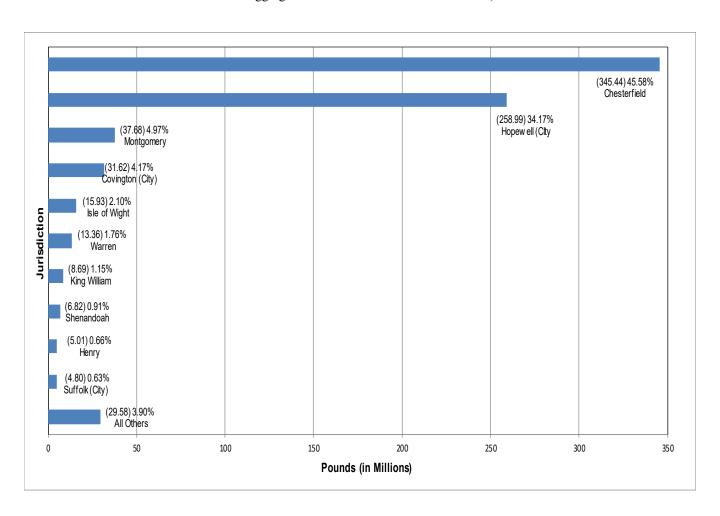


Jurisdictions with Facilities Reporting Other On-site Management of TRI Chemicals

The Virginia jurisdictions with facilities having the largest total reportable TRI chemicals managed on-site (other than releases) were: Chesterfield County, City of Hopewell, Montgomery County, City of Covington, Isle of Wight County, Warren County, King William County, Shenandoah County, Henry County, and City of Suffolk. The on-site management of these chemicals in these jurisdictions comprised 96.06 percent (728.35 million pounds) of the total managed on-site (other than releases) by reporting facilities in Virginia.

Appendix J-2 contains a ranking of jurisdictions by the on-site management of facilities located there. Furthermore, Appendices F and G contain detailed information about facilities located in these jurisdictions.

Figure 14. 2018 Top 10 Virginia Jurisdictions for TRI Chemicals Managed On-Site as Reported by Facilities: (From Section 8 of the Form R. The number next to each bar is the total on-site management (in millions of pounds), in the parentheses, and the percent of the total of TRI chemicals managed on-site for each jurisdiction. Figure 14 does not include the data extracted and re-aggregated from Sections 5 and 6 of Form R.)



Chapter Four - Virginia TRI Historical Comparison

Since its inception, the TRI program has been expanding and evolving, providing more information to the public about the presence and release of toxic and hazardous chemicals in communities. Over the past 30 years, various regulatory changes have occurred. In addition, facilities are authorized to revise reports from previous years. Allowing facilities to submit revised reports for previous years makes direct comparison of current data to historical reports difficult and potentially misleading. Appendix E provides further information about the changes in reporting requirements and sets out limited historical data which have been standardized.³

Nevertheless, reporting years 2016, 2017, and 2018 are generally comparable and Chapter Four presents data for those three years. All revisions for these reporting years received on or before January 7, 2020, have been incorporated.

Table 6 compares TRI data for reporting years 2016 to 2018 by type of release, transfer, and on-site management.

For reporting year 2018 the total amount of on-site releases shows a decrease from the corresponding amount for reporting year 2017, off-site transfers increased, and on-site management decreased from the corresponding amounts for reporting year 2017. From 2017 to 2018 the total TRI chemicals released on-site, transferred off-site, or managed on-site decreased by 5.56 percent.

Table 6 shows the changes with respect to on-site releases from reporting year 2017 to 2018, including a 0.02 percent decrease in on-site releases to air, a 19.12 percent decrease in on-site releases to water, and a 12.87 percent decrease in on-site releases to land. There was an overall decrease of 8.27 percent for on-site releases from 2017 to 2018.

The overall quantities of TRI chemicals transferred off-site for further management or disposal increased by 8.70 percent from 2017 to 2018. With respect to off-site transfers, Table 6 shows an 8.69 percent increase in TRI chemicals being transferred off site for other treatment and a 11.03 percent Increase in TRI chemicals being transferred off-site for recycling from 2017 to 2018.

Table 6 also shows that the on-site management of TRI chemicals through treatment, recycling, or energy recovery decreased in 2018. The 2018 report data show a decrease in on-site energy recovery by 13.69 percent, a decrease in on-site recycling by 7.37 percent, and an 0.58 decrease in on-site treatment. The overall quantities of TRI chemicals managed on-site decreased by 6.53 percent for 2018.

Longer term trends can be seen in the last column of Table 6. Over three years, on-site releases of TRI chemicals decreased by 21.91 percent, off-site transfers increased by 3.03 percent, and on-site management decreased by 6.82 percent. From 2016 through 2018, Virginia facilities reported a 6.72 percent decrease in the release, transfer, or other management of TRI chemicals.

³ The information in Appendix E is historical and is for general comparison purposes only. Virginia TRI Report – Summary of Data from 2018 Facility Reports (issued March 2020)

TRI – Chapter Four

2018 Toxics Release Inventory

Table 6. Comparison Summary Data by Type of Release, Transfer and On-Site Management for TRI Chemicals for 2016, 2017 and 2018 (from Table 1)

Management Activities	RY 2016 (Pounds)*	RY 2017 (Pounds)*	RY 2018 (Pounds)	Changes 2017-2018	% Change 2017-2018	% Change 2016-2018
On-Site Releases						
Air (Total)	19,059,858.65	16,511,869.86	16,508,457.36	-3,412.50	-0.02%	-13.39%
Fugitive Air	3,458,527.64	3,652,709.68	3,462,295.09	-190,414.59	-5.21%	0.11%
Stack Air	15,601,331.01	12,859,160.18	13,046,162.27	187,002.09	1.45%	-16.38%
Water	13,571,327.82	11,297,988.65	9,137,577.54	-2,160,411.10	-19.12%	-32.67%
Land	3,541,540.62	2,986,888.89	2,602,408.81	-384,480.08	-12.87%	-26.52%
Total	36,172,727.09	30,796,747.40	28,248,443.72	-2,548,303.68	-8.27%	-21.91%
Off-Site Transfers						
POTW	16,272,405.67	15,905,069.20	17,775,431.97	1,870,362.77	11.76%	9.24%
Other Off-Site Transfers	47,934,485.15	44,954,754.02	48,379,542.31	3,424,788.30	7.62%	0.93%
Recycling	25,367,784.99	22,175,644.29	24,620,738.08	2,445,093.79	11.03%	-2.94%
Energy Recovery	3,904,177.57	3,786,729.87	3,518,089.44	-268,640.43	-7.09%	-9.89%
Other Treatment	15,730,806.06	15,888,579.70	17,268,575.57	1,379,995.86	8.69%	9.78%
Disposal	2,931,716.53	3,103,800.15	2,972,139.23	-131,660.92	-4.24%	1.38%
Total	64,206,890.82	60,859,823.22	66,154,974.28	5,295,151.07	8.70%	3.03%
On-Site Management						
Treated On-Site	106,977,756.99	104,073,554.90	103,473,321.21	-600,233.69	-0.58%	-3.28%
Recycled On-Site	703,337,255.36	702,998,486.36	651,206,005.27	-51,792,481.09	-7.37%	-7.41%
Energy Recovery On-Site	3,078,723.78	3,766,856.25	3,251,145.00	-515,711.25	-13.69%	5.60%
Total	813,393,736.13	810,838,897.51	757,930,471.48	-52,908,426.03	-6.53%	-6.82%
Grand Total	913,773,354.04	902,495,468.12	852,333,889.48	-50,161,578.64	-5.56%	-6.72%

^{*}TRI report data for 2016 and 2017 reporting years have been revised to include partial facility reports which were not previously being captured. Virginia TRI Report – Summary of Data

Table 7 compares, in detail, the TRI data for PBT chemicals by type of release, transfer, and on-site management for reporting years 2016 to 2018. From 2017 to 2018, the total of PBT chemicals released on-site, transferred off-site, or managed on-site increased by 35.03 percent.

The data show a decrease in releases to air and land, specifically for fugitive air, of PBT chemicals compared to 2017, and an increase in releases to water. Table 7 also shows an increase of 25.05 percent in the total of PBT chemicals released on-site and managed on-site for reporting years 2016 to 2018.

Table 7. Comparison Summary Data by Type of Release, Transfer and On-site Management for PBT chemicals for 2016, 2017 and 2018 (from Table 3)

Management Activities	RY 2016 (Pounds)*	RY 2017 (Pounds)*	RY 2018 (Pounds)	Changes 2017-2018 (Pounds)	% Change 2017-2018	% Change 2016-2018
On-Site Releases						
Air (Total)	18,263.88	17,588.06	13,638.69	-3,949.37	-22.45%	-25.32%
Fugitive Air	6,732.82	6,715.62	2,508.26	-4,207.36	-62.49%	-62.75%
Stack Air	12,322.29	10,872.45	11,130.43	257.99	2.09%	-9.67%
Water	8,378.55	5,046.31	7,765.57	2,719.26	32.46%	-7.32%
Land	365,718.35	339,172.78	270,336.71	-68,836.07	-18.82%	-26.08%
Total	393,152.01	361,807.15	291,740.97	-70,066.18	-17.82%	-25.79%
Off-Site Transfers						
POTW	648.51	668.02	683.44	15.42	2.38%	5.39%
Other Off-Site Transfers	748,338.28	756,752.20	1,277,229.91	520,477.71	69.55%	70.68%
Recycling	653,816.60	645,074.34	1,124,981.78	479,907.45	73.40%	72.06%
Energy Recovery	1,899.88	2,610.27	19,866.20	17,255.93	908.26%	945.66%
Other Treatment	3,255.70	1,573.72	2,854.12	1,280.40	39.33%	-12.33%
Disposal	89,366.10	107,493.88	129,527.81	22,033.93	24.66%	44.94%

^{*}TRI report data for 2016 and 2017 reporting years have been revised to include partial facility reports which were not previously being captured. Virginia TRI Report – Summary of Data from 2018 Facility Reports (issued March 2020)

TRI – Chapter Four

2018 Toxics Release Inventory

Management Activities	RY 2016 (Pounds)*	RY 2017 (Pounds)*	RY 2018 (Pounds)	Changes 2017-2018 (Pounds)	% Change 2017-2018	% Change 2016-2018
Total	748,986.78	757,420.22	1,277,913.35	520,493.13	69.49%	70.62%
On-Site Management						
Treated On-Site	8.10	8.10	8.10	0.00	0.00%	0.00%
Recycled On-Site	159,908.23	86,611.26	58,573.96	-28,037.30	-17.53%	-63.37%
Energy Recovery On-Site	0.00	0.00	0.00	0.00	0.00%	0.00%
Total	159,916.33	86,619.36	58,582.06	-28,037.30	-17.53%	-63.37%
Grand Total	1,302,055.13	1,205,846.73	1,628,236.38	422,389.65	35.03%	25.05%

Chapter Five - Conclusion

The 2018 Virginia TRI Report is issued pursuant to Virginia Code §10.1-1186.1. The report has information on chemicals and chemical categories, activities involving their use, industrial sectors, facilities and facility locations (jurisdictions).

The report provides information concerning listed toxic chemicals and chemical categories that are manufactured, processed, or otherwise used at Virginia facilities, including amounts released to the environment, transferred off-site and managed on-site. Industry and the public can use the data in a variety of ways, including as a measurement of progress toward reduction targets. As noted previously the majority of the releases to the environment included in the TRI report occur under a federal or state permitting program determined to be protective of human health and the environment.

Appendix A – Glossary of Terms

Coincidental Manufacture – Production of an EPCRA section 313 chemical as a byproduct or impurity as a result of the manufacture, processing, otherwise use, treatment, disposal, or other waste management of other chemical substances.

Energy Recovery – Recovery of useful energy from waste mainly through combustion of chemical waste.

Facility – Defined for the purposes of TRI reporting as all buildings, equipment, structures, and other stationary items which are located on a single site or on contiguous or adjacent sites and which are owned or operated by the same person (entity).

Fugitive (Non-Point) Air Releases – Emissions to the air that are not conveyed through stacks, vents, ducts, pipes, or other confined air streams within the boundaries of a facility. Examples include equipment leaks from valves, pump seals, flanges, compressors, sampling connections, open-ended lines, and evaporative losses from surface impoundments and spills.

Manufacture – To produce, prepare, import, or compound a toxic chemical.

North American Industry Classification System (NAICS) - NAICS is the standard used by Federal statistical agencies which collect or publish data by industry. It is a system for classifying an establishment by type of economic activity.

Off-Site Locations – Locations outside the boundaries of a facility to which wastes are transported for treatment, energy recovery, recycling, or disposal.

Otherwise Use – Any use of a toxic chemical at a facility which is not covered by the definitions of manufacture or process. This includes any activities in which a listed toxic chemical does not become intentionally incorporated into the final product for distribution in commerce. Examples of otherwise use include degreasers, solvents in paints that are applied to a product, chemicals used in water treatment, and refrigerants or coolants.

Persistent Bio-accumulative Toxic (PBT) chemical – A chemical that is stable for a long period of time, and builds up in the environment, particularly in food chains.

Publicly Owned Treatment Works (POTW) – A wastewater treatment facility which is owned by a unit of the government.

Process – Refers to the preparation of a listed toxic chemical after its manufacture, for distribution in commerce. Processing is usually the intentional incorporation of a toxic chemical into a product. It includes making mixtures, repackaging, and using a toxic chemical as a feedstock, raw material, or starting material for making another chemical.

Recycle – The process of capturing a useful product from a waste stream. Solvent recovery, metals recovery, and acid regeneration are examples of recycling.

Releases – Refers to on-site discharges of TRI chemicals to the air, water, land, and disposal in underground injection wells (none in Virginia). They include permitted, accidental, and non-permitted discharges.

Releases to Air – See fugitive (non-point) air releases and stack (point source) air releases.

Releases to Land – Refers to land-filling, surface impoundment, land treatment/application farming or any other release of a toxic chemical to land within the boundaries of a facility.

Releases to Water – Refers to discharging of chemicals to surface waters such as rivers, lakes, ponds, and streams within the boundaries of a facility.

Source Reduction/Pollution Prevention – Activities that reduce the quantity and /or toxicity of wastes generated. Improved operation and maintenance, process and equipment modification, conservation practices, material substitution, product modification, and in-process recycling are examples of pollution prevention.

Stack (Point Source) Air Releases – Emissions to the air that are conveyed through stacks, vents, ducts, pipes, or other confined air streams within the boundaries of a facility. Examples include storage tank emissions and emissions from air pollution control equipment.

Standard Industrial Classification Code (SIC Code) – A four digit number code designated by the Federal Office of Management and Budget to describe the type of activity(s) at a facility. The first two numbers of the code define a major business sector, and the last two numbers define a facility's specialty within the major sector.

Toxic – A substance that produces or causes systemic damage to an organism.

Transfers – Refers to TRI chemicals sent off-site for energy recovery, recycling, treatment, or disposal. They are reported as transfers to either Publicly Owned Treatment Works (POTWs) or other off-site transfers (non-POTWs) such as incinerators, landfills, other treatment, recycling, energy recovery, or disposal facilities not part of the reporting facility.

Appendix B – Supplementary Resources

Additional TRI data and individual facility information are available for the 1997 through 2018 reporting years. If you would like additional information on specific facilities or chemicals, please call the Virginia Department of Environmental Quality's SARA Title III Office at (804) 698-4467 or direct your request in writing to the Virginia Department of Environmental Quality, SARA Title III Office, P.O. Box 1105, Richmond, Virginia, 23218.

- TRI data can be accessed on the Internet through the Virginia Department of Environmental Quality SARA Title III Program web page: http://www.DEQ.Virginia.gov/Programs/Air/AirQualityPlanningEmissions/SARATitleIII/SARA313ToxicsReleaseInventory.aspx
- 2. The Form Rs submitted by facilities within the state are on file at the Virginia Department of Environmental Quality. Any inquiries about Form R information or the TRI program in Virginia should be made to the SARA Title III Program Coordinator.
- 3. The Environmental Protection Agency's Toxic Release Reporting Center is the national repository for all TRI reports submitted to the EPA. The data is available on CD-ROM, magnetic tape, floppy disk, and microfiche. Copies of the reports were distributed to more than 3,000 libraries nationwide.
- 4. Any questions regarding the Emergency Planning and Community Right to Know Act (EPCRA) can be forwarded to EPA's toll free EPCRA call center. The phone numbers are: (800) 424-9346, (703) 412-9810, or TDD (800) 553-7672.
- 5. The Toxic Release Inventory Made Easy Web (TRI-MEweb) includes instructions for on-line reporting and submittal of TRI reports. The TRI-MEweb Resources page on EPA's website contains guidance documents and tutorials to help facilities with TRI reporting. For more information visit EPA's website: http://www.epa.gov/toxics-release-inventory-tri-program/tri-meweb-resources.
- 6. <u>Right-to-Know Network (RTK NET)</u> offers access to TRI data, along with health facts for each TRI chemical, searchable nationwide TRI data. RTK NET promotes pollution prevention, data analyses, and communication among individuals concerned about toxics use reduction. http://www.rtknet.org/.
- 7. **ENVIROFACTS** integrates data extracted from several EPA programs, including TRI. ENVIROFACTS allows users to search the database by facility name, its location, by chemical, or by NAICS code. http://www3.epa.gov/enviro/.
- 8. **TRI Explorer** is another tool provided by EPA, which allows users to search TRI data by county, facility, chemical, etc. http://www.epa.gov/triexplorer/.
- 9. <u>EPCRA Section 313</u> program information and consolidated list of chemicals subject to EPCRA Section 313 and other federal programs, please visit EPA's website: http://www.epa.gov/tri/.

Appendix B Inventory

10. **EPA's Risk Screening Environmental Indicators (RSEI)** is a computer based model that uses TRI data for analysis of risk-related impacts of toxic chemical releases and transfers in the US. http://www.epa.gov/opptintr/rsei/.

Appendix C – TRI Covered Industry Groups by North American Industry Classification System

TRI covered industry groups are identified by the following North American Industry Classification Systems (NAICS) sub-sector codes and general industry types:

211	Oil and Gas Extraction
212	Mining
221	Utilities
311	Food Manufacturing
312	Beverage and Tobacco Product Manufacturing
313	Textile Mills
314	Textile Product Mills
321	Wood Product Manufacturing
322	Paper Manufacturing
323	Printing and Related Support Activities
324	Petroleum and Coal Products Manufacturing
325	Chemical Manufacturing
326	Plastics and Rubber Products Manufacturing
331	Primary Metal Manufacturing
332	Fabricated Metal Product Manufacturing
333	Machinery Manufacturing
334	Computer and Electronic Product Manufacturing
335	Electrical Equipment, Appliance, and Component Manufacturing
336	Transportation Equipment Manufacturing
337	Furniture and Related Product Manufacturing
339	Miscellaneous Manufacturing
424	Merchant Wholesalers, Non Goods
562	Waste Management and Remediation Services
924	Administration of Environmental Quality Programs
927	Space Research and Technology
928	National Security and International Affairs

Appendix D - 2018 VA TRI Reporting Forms

Form Approved OMB Number: 2025-0009

Please note that the TRI reporting forms in this appendix are for reference only. Do not submit these forms to EPA. All facilities are required to submit their TRI data electronically using the TRI-MEweb application, per the TRI Electronic Reporting Rule. A link to the reporting rule language can be found at the following address: http://www.epa.gov/toxics-release-inventory-tri-program/electronic-reporting-toxics-release-inventory-data.

					Appro	oval Expu	res: 10/31/202.	L _e	Page	e 1 of 6
6				FORM	R		TRI Facility	D Number		
			Section 313 of the E			nity				
	United States Environmental Protect	tion F	Right-to-Know Act	of 1986, also Kr	own as Title III		Toxic Chemi	cal, Category,	or Generic	Name
	Agency	suon s	Superfund Amendm	ents and Reauth	orization Act			, , ,		
	,									
	plete form online via TRI-MEwe									
	al public burden related to the Fouctions for more information on				sponse for a facili	ity filing	a report on one	chemical. See	the Report	ing Forms and
	section only applies if you are						Withdraw	al (Enter u	n to two	code(s))
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	viously submitted form, erwise leave blank.									
_	PORTANT: See instructions to	determine	when "Not Applic	able (NA)" box	es should be ch	ecked.		// /		
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	the amounts and values in this r					lable to th	ne preparers of			
Nan	ne and official title of owner/ope	erator or sem	ior management off	icial: Signa	iture:			Date	signed:	
SE	CTION 4. FACILITY	IDENT	IFICATION					==		
	Facility or Establishment Nam	ne	TRI Fac	ility ID Numbe		BIA	. Code			
4.1	Physical Street Address		Mailing	Address (if diff	erent from physi	cal street	address)			
	City/County/State/ZIP Code		City/Sta	tte/ZIP Code				Cour	atry (Non-l	US)
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		99095001022	2010A - 2021 - 2021 - 5250A	S		TRI Facility ID 1				
		FC	RM F	t						
	Part II. C	CHEMICAL-S	SPECIFIC	C INFORMATION		Toxic Chemical,	Category, or Generic Name			
							6-7,			
	CTION 1. TOXIC CH			g a mixture component in So	ction 2 belov	w.)				
1.1	CAS Number (Important: E	nter only one numb	er exactly as	it appears on the Section 313	ist. Enter cat	egory code if reporting	a chemical category.)			
Щ										
1.2	Toxic Chemical or Chemical	l Category Name (I	mportant: En	ter only one name exactly as it	appears on t	he Section 313 list.)				
1.3										
1.3	1.3 Generic Chemical Name (Important: Complete only if Part I, Section 2.1 is checked "Yes". Generic Name must be structurally descriptive.)									
CE	CELONA MINERIDE	COMPONENT	E ENEXUE	TOTAL -		. /	· · · · ·			
-	CTION 2. MIXTURE			\$ 100 M		this section if you con				
2.1	Generic Chemical Name Pro	ovided by Supplier (Important: M	faximum of 70 characters, incl	uding numbe	rs, letters, spaces, and j	ounctuation.)			
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a. [Produce b. Import									
c. [d. [e. [fProduce or Import For on-site use/processing For sale/distribution As a byproduct As an impurity		ulation comp cle compone ing ourity		m p 1 b.	as a chemical rocessing aid as a manufacturing aid ancillary or other use	Enter 4-digit code(s) from instruction package			
	CTION 4. MAXIMUM LENDAR YEAR	I AMOUNT O	F THE TO	OXIC CHEMICAL ON	-SITE AT	T ANY TIME DU	RING THE			
4.1	(Enter	two-digit code fron	n instruction p	package.)						
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EPA form 9350 -1 (Rev. 10/2018). Previous editions are obsolete.

*For Dioxin or Dioxin-like compounds, report in grams/year.

**Range Codes: A= 1-10 pounds; B= 11-499 pounds; C= 500-999 pounds.

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5.4-5.5	Disposal to land on-site						
5.4.1	Class I Underground Injection Wells						
5.4.2	Class II-V Under <i>g</i> round Injection Wells						
5.5.1A	RCRA Subtitle C landfills					/()	
5.5.1B	Other landfills						
5.5.2	Land treatment/application farming						
5.5.3A	RCRA Subtitle C surface impoundments						
5.5.3B	Other surface impoundments						
5.5.4	Other disposal						
	I Waste Rock Piles Information check this box if your Section 5		es include "waste rock pi	les." Ente	r quantity of "w	aste rock piles" (pot	unds/year*)
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and indic	cate the Part II, Section 6.1 page	number in t	this box. (Exar	nple: 1, 2, 3, e	tc.)		
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EPA form 9350 -1 (Rev. 10/2018). Previous editions are obsolete.

*For Dioxin or Dioxin-like compounds, report in grams/year.

*Range Codes: A= 1-10 pounds; B= 11-499 pounds; C= 500-999 pounds.

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7A.4a 7A.5a	3 6 7A.5b	7		2	7A.5c	
0.0000.00.000	3 6	7		$oldsymbol{\perp}$	7A.5c	
7A.5a additional pages of I	3 6 7A.5b 3 6	7 1 4 7 A are attached, indicate the	total number of pages in	2 5 8 m this	7A.5c	

					Form Appro Approval Ex		B Number: 2025- 0/31/2021	0009 Page 5 of 6
			EODM		TI		TRI Facility ID 1	
			FORM R			Γ		
	P	Part II. CHEMICAL-S	SPECIFIC INFORM	ATION (CON	TINUED)	9	Toxic Chemical,	Category, or Generic Name
SEC	ΤI	ON 7B. ON-SITE ENEI	RGY RECOVERY PRO	OCESSES				
1	ΙA	Check here if no on-site ene	rgy recovery is applied to any	waste stream contain	ing the toxic c	hemical	or chemical categ	ory.
Energ	уR	ecovery Methods (Enter 3-chara	acter code(s))		V.381.0		160	
		1	2	3				OY
SEC	ΤI	ON 7C. ON-SITE REC	YLING PROCESSES					
□ 1	ΙA	Check here if no on-site rec	yeling is applied to any waste	stream containing the	toxic chemica	al or cher	nical category.	
Recyc	lin	g Methods (Enter 3-character co	ode(s))					
		ı.	2.	3.				
SEC	TI	ON 8. SOURCE REDU	CTION AND WASTE	MANAGEMEN	Т			
				Column A Prior Year (pounds/year*)	Column B Current Rep Year (pound		Column C Following Year (pounds/year*)	Column D Second Following Year (pounds/year*)
$\overline{}$		Production-Related Waste Ma	THE PARTY OF THE P					
8.1a		otal on-site disposal to Class I U CRA Subtitle C landfills, and oth						
8.1b	To	otal other on-site disposal or other	er releases					
8.1c		otal off-site disposal to Class I U CRA Subtitle C landfills, and oth		0				
8.1d	Tc	otal other off-site disposal or oth	er releases	\sim				
8.2	Qι	antity used for energy recovery	on-site					
8.3	Qι	nantity used for energy recovery	off-site					
8.4	Qι	nantity recycled on-site						
8.5	Qι	nantity recycled off-site		<u> </u>				
8.6	_	nantity treated on-site						3
8.7	_	nantity treated off-site	\wedge	<u> </u>				
8.8	No	on-Production-Related Waste M	anaged**					
8.9	L	Production ratio or Activ	ity ratio (select one and enter	value to the right)				
8.10		d your facility engage in any ne so, complete the following section		ction activities for this	chemical dur	ing the re	porting year?	
		Source Reduction Activities (Enter code(s))	Metho	ds to Identify Activity	y (Enter code(:	s))	189	Estimated annual reduction (Enter code(s)) (optional)
8.10.1			a.	b.	c.		d.	
8.10.2			a.	b.	c.			d.
8.10.3			a.	b.	c.			d.
8.10.4			a.	b.	c.			d.

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#For Dioxin or Dioxin-like compounds, report in grams/year.

**Includes quantities released to the environment or transferred off-site as a result of remedial actions, catastrophic events, or other one-time events not associated with production processes

Form Approved OMB Number: 2025-0009 Approval Expires: 10/31/2021 TRI Facility ID Number FORM R Part II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED) Toxic Chemical, Category, or Generic Name SECTION 8.11. DISPOSAL OR OTHER RELEASES, SOURCE REDUCTION, AND RECYCLING ACTIVITIES 8.11 If you wish to submit additional optional information on source reduction, recycling, or pollution control activities, provide it here. SECTION 9. MISCELLANEOUS INFORMATION If you wish to submit any miscellaneous, additional, or optional information regarding your Form R submission, provide it here.

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Form Approved OMB Number: 2025-0009 Page 1 of 4 Approval Expires: 10/31/2021 TRI Facility ID Number FORM R Schedule 1 PART II. CHEMICAL-SPECIFIC INFORMATION (continued) SECTION 5. QUANTITY OF DIOXIN AND DIOXIN-LIKE COMPOUNDS ENTERING EACH ENVIRONMENTAL MEDIUM ON-SITE Discharges to receiving streams or water bodies 5.1 5.2 NA NA (Enter data for one stream or water body per box) Fugitive or non-Stack or point 5.3.1 5.3.2 5.3.3 point air emissions air emissions 1 2 3 D. Mass (grams) of each compound in the category (1-17) 4 5 6 7 8 9 10 11 12 13 14 15 16 17 See the Reporting Forms and Instructions for information If additional pages of Section 5.3 are attached, indicate the total number of pages in this box on submissions and the Paperwork Reduction Act.

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and indicate the Section 5.3 page number in this box (Example: 1, 2, 3, etc.)

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			FOR	RM R Scheo	Inle 1	er constitution		TRI Facility l	ID Number
	PAR	RT II. CHI				TION (conti	nued)	>	
EC	CTION	5. QUANTITY OF	F DIOXIN AND DIO	OXIN-LIKE COMP		G EACH ENVIRON	MENTAL MEDIU	M ON-SITE	
			200 0000 1 00000	Tanana a Tanana		sal to land on-site		Tourse con Transact	2000 00 7 200000
		5.4.1 NA Class I Underground Injection Wells	5.4.2 NA Class II-V Underground Injection Wells	S.5.1.A NA RCRA Subtitle C landfills	Other landfills	5.5.2 NA Land treatment/ application farming	S.5.3.A NA RCRA Subtitle C surface impoundments	Other surface impoundments	Other disposal
٦	1	2 10 10 10 10 10 10 10 10 10 10 10 10 10	200 C				•		
	2								
ory (1-17)	3								
	4								
	5								
C. Mass (grams) of each compound in the category (1-17)	6								
	7								
	8				1				
i	9								
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Ì	12								
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	16			7					

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Form Approved OMB Number: 2025-009 Page 3 of 4 Approval Expires: 10/31/2021 FORM R Schedule 1 TRI Facility ID Number PART II. CHEMICAL-SPECIFIC INFORMATION (continued) SECTION 6. TRANSFERS OF DIOXIN AND DIOXIN-LIKE COMPOUNDS IN WASTES TO OFF-SITE LOCATIONS 6.1. DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTWs) NA D. Mass (grams) of Each Compound in the Category (1-17) 6.1 2. 3. 6.1 D. Mass (grams) of Each Compound in the Category (1-17) 1. 2. 3. 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS NA 6.2 D. Mass (grams) of Each Compound in the Category (1-17) 1. 3. 6.2 D. Mass (grams) of Each Compound in the Category (1-17) 3. If additional pages of Section 6.1 or 6.2 are attached, indicate the total number of pages in this box and indicate the Section 6.1 or 6.2 page number in this box (Example: 1, 2, 3, etc.)

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TRI Facility ID Number

FORM R Schedule 1 PART II. CHEMICAL-SPECIFIC INFORMATION (continued)

SECTIONS 8.1-8.8. WASTE MANAGEMENT QUANTITIES FOR DIOXIN AND DIOXIN-LIKE COMPOUNDS (current year only)

					8.1-8	.7 Production-re	lated waste ma	naged				
		8.1a Total on-site disposal to Class 1 Underground Injection Wells, RCRA Subtitle C landfills, and other landfills	8.1b Total other on-site disposal or other releases	8.1c Total off-site disposal to Class 1 Underground Injection Wells, RCRA Subtitle C landfills, and other landfills	8.1d Total other off-site disposal or other releases	8.2 Quantity used for energy recovery on-site	8.3 Quantity used for energy recovery off-site	8.4 Quantity recycled on-site	8.5 Quantity recycled off-site	8.6 Quantity treated on-site	8.7 Quantity treated off-site	8.8 Non-production related waste managed*
	1	other landfills		omer landnus								
6	2			9					17			
(1-1,	3						9/19					
gory	4											
cate	5											
the .	6											
ndin	7			10					10			
nodu	8											
Column f. Mass (grams) of each compound in the category (1-17)	9											
[eac]	10					>						
lo (su	11											
gran	12											
lass (13											
ı f. M	14											
III I	15											
ပိ	16											
	17											

^{*}Includes quantities released to the environment or transferred off-site as a result of remedial actions, catastrophic events, or other one-time events not associated with production processes.

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9	TOXICS F United States Environmental Protection Agency			x x			
Fairfa	olete form online via TRI-MEweb. For a trade secret sul x, VA 22038. The annual public burden related to the F con one chemical. See the Reporting Forms and Instruc	form A is estimated to	average 21.96	hours per respo	nse for a facility fil	ing a TRITacinty ID Number	_
	ection only applies if you are revising or withdrawing a previously submitted form, otherwise leave blank.	Revis	ion (Enter up t	o two code(s))	Withd	rawal (Enter up to two code(s))	
IMPO	ORTANT: See instructions to determine when "Not	t Applicable (NA)" b	oxes should be	checked.			
	PART I. FA	ACILITY IDEN	ΓΙΓΙCAΤΙC	N INFORM	IATION		
SEC	TION 1. REPORTING YEAR	_					
SEC	TION 2. TRADE SECRET INFORMATION						
2.1	Are you claiming the toxic chemical identified on pag Yes (Answer question 2.2; attach substantiation forms)	ge 2 as a trade secret? o (Do not answer 2.2; go to Section 3)	2.2 Is this	сору	Sanitized (Answer or	Unsanitized uly if "Yes" in 2.1)	
SEC	TION 3. CERTIFICATION (Important: 1	Read and sign afte	r completing	all form sect	ions.)		
CFR:	by certify that to the best of my knowledge and belief, 372.27(a), did not exceed 500 pounds for this reporting eding 1 million pounds during this reporting year.						
Name	e and official title of owner/operator or senior managem	nent official:	Signature:		·	Date signed:	
SEC	TION 4. FACILITY IDENTIFICATION						
	Facility or Establishment Name		7	y ID Number]	BIA Code	
4.1	Physical Street Address				ent from physical s		
	City/County/State/ZIP Code		City/State/	ZIP Code		Country (Non-US)	
4.2	This report contains information for: (Important: Ch	eck c or d if applicable	e)	2	c. A Federal I	Facility d. GOCO	
- 4-2	Technical Contact Name				Telephone Numb	er (include area code and ext.)	
4.3	Email Address						
4.4	Public Contact Name				Telephone Numb	er (include area code and ext.)	
	Email Address						
4.5	NAICS Code(s) (6 digits) a. Primary b.). (2.	d.	e.	f.	
4.6	Dun & Bradstreet Number(s) (9 digits) b.	•		<u>'</u>	•	•	
SEC	TION 5. PARENT COMPANY INFORMATI	ION					_
	Name of U.S. Parent Company	3.03.44			T		_
5.1	(for TRI Reporting purposes)					S. Parent Company RI Reporting purposes)	
5.2	Parent Company's Dun & Bradstreet Number NA	A 🔲			•		

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Form Approved OMB Number: 2025-009

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	EPA FORM A PART II. CHEMICAL IDENTIFICATION	TRI Facility ID Number
SEC	Do not use this form for reporting PBT chemicals, including Dioxin and Dioxin-like Compounds* TION 1. TOXIC CHEMICAL IDENTITY Report	of
1.1	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if report	rting a chemical category.)
1.2	Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.	
1.3	Generic Chemical Name (Important: Complete only if Part 1, Section 2.1 is checked "Yes". Generic Name must be struct	urally descriptive.)
SEC	TION 2. MIXTURE COMPONENT IDENTITY (Important: DO NOT complete this section if you completed Section	1 above)
2.1	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, an	nd punctuation.)
SEC	TION 9.2. OPTIONAL POLLUTION PREVENTION AND ADDITIONAL INFORMATION FOR THIS TOXIC CF	HEMICAL
9.2	If you wish to provide optional chemical specific pollution prevention or additional information, provide it here.	
SEC	TION I. TOXIC CHEMICAL IDENTITY Report	of
1.1	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if report	rting a chemical category.)
1.2	Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)
1.3	Generic Chemical Name (Important: Complete only if Part 1, Section 2.1 is checked "Yes". Generic Name must be struct	urally descriptive.)
SEC	TION 2. MIXTURE COMPONENT IDENTITY (Important: DO NOT complete this section if you completed Section	1 above)
2.1	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, a	nd punctuation.)
SEC	TION 9.2. OPTIONAL POLLUTION PREVENTION AND ADDITIONAL INFORMATION FOR THIS TOXIC C	HEMICAL
9.2	If you wish to provide optional chemical specific pollution prevention or additional information, provide it here.	

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(Make additional copies of this page, if needed)

^{*}See the TRI Reporting Forms and Instructions manual for the list of PBT Chemicals (including Dioxin and Dioxin-like Compounds)

Appendix E-VA TRI Historical Trend

Since its inception, the TRI program has been expanding and evolving, providing more information to the public about the presence and release of toxic and hazardous chemicals in communities. As a result, over the past 29 years, major regulatory changes have occurred that have made the direct historical comparison of releases from 1988 to 2018 difficult and potentially misleading. The information in Appendix E is historical and for general comparison purposes only.

During the early years of the program there were no major reporting changes. From 1988 until 1994 the consistency between reporting sectors and chemicals made comparison straightforward.

The first major change in reporting requirements was the addition of 286 chemicals and chemical categories to the TRI list beginning with reporting year 1995. The addition of chemicals in reporting year 1995 created a new baseline for TRI comparisons. A second major change was the inclusion of seven new non-manufacturing sectors (sectors that had not previously reported) to the TRI facility coverage beginning in the 1998 reporting year. With this change, 1998 became the new baseline for historical comparison. The third major change began with reporting year 2000, when seven chemicals and two chemical categories were added to the TRI chemical list. These chemicals, and chemical categories must be subtracted from reporting year 2000, 2001, and 2002 data to make comparisons to 1998 and 1999 more accurate. A fourth major change for reporting year 2011 was the inclusion of 16 new chemicals to the list of reportable chemicals. Of the 16 new chemicals which were added, four of these are classified as Polycyclic Aromatic Compounds (PACs). PACs are Persistent Bio-accumulative Toxins (PBTs) chemicals, and as such, they are likely to remain in the environment for a very long time, are not readily destroyed, and may build up or accumulate in body tissue. Hydrogen Sulfide was added to the list in reporting year 2012 following the lifting of an administrative stay on Oct. 17, 2012. Ortho-Nitrotoluene was added to the list in reporting year 2015 following a final rule published by EPA which became effective on Nov. 29, 2013. The Nonylphenol category of chemicals was added to the 2018 reporting year chemicals list in a final rule effective on Sept. 20, 2015. The hexabromocyclododecane category was added to the chemical list in November 2018.

It should be noted beginning with reporting year 2001, lead and lead compounds were re-designated as PBT chemicals, and the threshold for reporting was reduced to 100 pounds. This caused facilities to submit more reports for lead and lead compounds for reporting years 2001 and 2002.

Table E-1 shows the amounts of releases to each media for reporting years 2004 through 2014 (without specified PBTs, or vanadium and vanadium compounds). Facility revisions for previous reporting years were not included in this comparison of on-site releases.

2018 Toxics Release Inventory

Table E-1. On-Site Releases Comparison from 2005 – 2015 (from Section 5 of Form R)

Chapter Four of the Virginia 2018 TRI Report covers the reporting period 2016 to 2018, and includes all chemicals and chemical compounds, and all facility revisions received through Jan. 7, 2020.

Media	2005 (pounds)	2006 (pounds)	2007 (pounds)	2008 (pounds)	2009 (pounds)	2010 (pounds)	2011 (pounds)	2012 (pounds)	2013 (pounds)	2014 (pounds)	2015 (pounds)	Percent Change 2005 - 2015
Air	41,167,066	41,273,390	39,390,601	29,770,387	26,946,032	24,617,658	19,972,183	18,404,743	20,651,917.51	20,388,755.18	18,020,039.02	-56.23%
Water	9,880,733	19,258,326	18,322,290	20,284,859	18,301,212	17,687,071	16,714,204	11,763,752	11,707,977.42	11,164,687.01	11,535,716.86	16.75%
Land	4,865,708	4,913,540	4,430,778	2,947,122	3,312,996	3,247,285	2,545,232	2,515,236	3,695,523.74	3,637,624.72	2,939,038.10	-39.60%
Total	55,913,507	65,445,255	62,143,669	53,002,368	48,560,240	78,463,236	39,231,618	32,683,731	36,055,418.67	35,191,066.92	32,494,793.98	-41.88%

Appendix F - 2018 Summary of Facilities, Chemical Releases, Transfers and Management (Non-PBT)

Appendix F: 2018 Summary of Facilities, Chemical Releases, Transfers, and Management (Non-PBT) Alphabetical Listing by Facility Within Each County/Independent City

2018 Toxics Release Inventory

Appendix F

Facility County/Independen	at City			On-Site I						agement 8 of Form R		Off-Site T	
Facility Nan	me/Address	Fugitive	Stack	Total			Total On-Site	Energy			Total On-Site	Γ	otal Other Off-Site
Chemical Name	form A*	Air (pounds)	Air (pounds)	Air (pounds)	Land (pounds)	Water (pounds)	Releases (pounds)	Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Management (pounds)	POTW (pounds)	Fransfers ** (pounds)
ACCOMACK	KMX CHEM	ICAL COR	RP				-	30474 EN	ERGY DR	<u> </u>		NAICS Code	325193
METHANOL	N	5	250	255	0	0	255	()	0	0 0	0	0
Total for Kmx Chemical Corp		5	250	255	0	0	255	C)	0	0 0	0	0
ACCOMACK	PERDUE FAI	RMS ACC	OMAC PRO	OCESSING	PLANT			22520 LA	NKFORD I	HWY		NAICS Code	311615
HYDROGEN SULFIDE	N	41,720	0	41,720	0	0	41,720	()	0 287,810	287,810	0	0
NITRATE COMPOUNDS	N	0	0	0	0	564,110	564,110	()	0	0 0	0	0
PERACETIC ACID	N	0	0	0	0	129	129	()	0 257,484	257,484	0	0
Total for Perdue Farms Accomac	Processing Plant	41,720	0	41,720	0	564,239	605,959	C)	0 545,29	4 545,294	0	0
ACCOMACK	TYSON FAR	MS INC-TI	EMPERAN	CEVILLE				11224 LA	NKFORD I	HWY		NAICS Code	311615
AMMONIA	N	8,388	748	9,136	0	19	9,155	()	0 52,255	5 52,255	0	0
CHLORINE DIOXIDE	Y	0	0	0	0	0	0	()	0	0 0	0	0
NITRATE COMPOUNDS	N	0	0	0	0	12,682	12,682	()	0 1,973,719	9 1,973,719	0	0
PERACETIC ACID	N	1,680	0	1,680	0	0	1,680	()	0 200,823	5 200,825	0	0
Total for Tyson Farms Inc-Temper	ranceville	10,068	748	10,816	0	12,701	23,517	()	0 2,226,79	9 2,226,799	0	0
ACCOMACK	U.S. NASA G	SFC WALI	LOPS FLIG	HT FACIL	ITY			34200 FU	LTON STR	EET		NAICS Code	927110
NAPHTHALENE	N	0	7	7	0	0	7	()	0	0	0	214
Total for U.S. Nasa Gsfc Wallops	Flight Facility	0	7	7	0	0	7	()	0	0 0	0	214
Total for Above County: (9 repo	orts)	51,793	1,005	52,798	0	576,940	629,738	()	0 2,772,09	3 2,772,093	0	214

^{*} A "Y" in the FORM A column means a simplified Form A was submitted. An "N" means the full Form R was submitted. Facilities may report using the Form A for a non-PBTchemical if the total annual reportable amount for that chemical does not exceed 500 pounds and the amount manufactured, processed, or otherwise used for that chemical does not exceed 1 million pounds. When filling a Form A, no amounts are reported but by default the appendix lists them as zero.

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^{**} TOTAL OTHER OFF-SITE TRANSFERS = ALL OF FORM R SECTION 6.2 OFF-SITE TRANSFERS (DISPOSAL + TREATMENT + ENERGY RECOVERY + RECYCLING)

^{***} BAE SYSTEMS, ORDINANCE SYSTEMS INC. AND RADFORD ARMY AMMUNITION ARE THE SAME FACILITY, REPORTING UNDER TWO SEPERATE IDsTHE SUMMARY REPORT REFLECTS ONLY ONE SET OF DATA VALUES FOR TOTALS.

Facility County/Independent C	ity			On-Site					ite Man	Off-Site Ti			
Facility Name/	•		fi	rom Section	15 of Form	R	Total	fro	om Section 8	8 of Form R		from Section 6	
racinty (vaine)	Addiess	Fugitive	Stack	Total			On-Site	Energy			Total On-Site		otal Other Off-Site
Chemical Name		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment	Management		ransfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)		(pounds)
ALBEMARLE	INTERNATIO	ONAL COI	LD STORA	GE				5678 HEA	RDS MOU	NTAIN RD		NAICS Code	333415
DIISOCYANATES	Y	0	0	(0	0	0	0		0	0 0	0	0
Total for International Cold Storage		0	0	O	0	0	0	0		0	0 0	0	0
Total for Above County: (1 record)		0	0	0	0	0	0	0		0	0 0	0	0
AMELIA	AMELIA LUN	MBER CO	INC					8680 CRO	WDER ST			NAICS Code	321114
CHROMIUM COMPOUNDS(EXCEP	Т ү	0	0	(0	0	0	0		0	0 0	0	0
COPPER COMPOUNDS	Y	0	0	(0	0	0	0		0	0 0	0	0
Total for Amelia Lumber Co Inc		0	0	O	0	0	0	0		0	0 0	0	0
Total for Above County: (2 reports))	0	0	0	0	0	0	0		0	0 0	0	0
AMHERST	COOPER STE	EEL						275 FRAN	ICIS AVE			NAICS Code	332312
CHROMIUM	Y	0	0	(0	0	0	0		0	0 0	0	0
MANGANESE	Y	0	0	(0	0	0	0		0	0 0	0	0
NICKEL	Y	0	0	(0	0	0	0		0	0 0	0	0
Total for Cooper Steel		0	0	0	0	0	0	0		0	0 0	0	0
AMHERST	GREIF PACK	AGING L	LC					861 FIBR	E PLANT F	RD		NAICS Code	322110
ACETALDEHYDE	N	3,028	42,615	45,643	0	0	45,643	46,162		0 16,41	62,579	0	0
METHANOL	N	6,758	290,900	297,658	3 0	0	297,658	50,538		0 90,46	59 141,007	0	0
NITRATE COMPOUNDS	N	0	0	(0	1,931	1,931	0		0 160,61	160,612	0	0
Total for Greif Packaging Llc		9,786	333,515	343,301	0	1,931	345,232	96,700		0 267,49	364,198	0	0
Total for Above County: (6 reports))	9,786	333,515	343,301	0	1,931	345,232	96,700		0 267,4	98 364,198	0	0
ARLINGTON	ALLIED AVI	ATION FU	ELING CO) INC				RONALD	REAGAN	NATIONAI	AIRPORT	NAICS Code	424710

^{*} A "Y" in the FORM A column means a simplified Form A was submitted. An "N" means the full Form R was submitted. Facilities may report using the Form A for a non-PBTchemical if the total annual reportable amount for that chemical does not exceed 500 pounds and the amount manufactured, processed, or otherwise used for that chemical does not exceed 1 million pounds. When filling a Form A, no amounts are reported but by default the appendix lists them as zero.

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^{**} TOTAL OTHER OFF-SITE TRANSFERS = ALL OF FORM R SECTION 6.2 OFF-SITE TRANSFERS (DISPOSAL + TREATMENT + ENERGY RECOVERY + RECYCLING)

^{***} BAE SYSTEMS, ORDINANCE SYSTEMS INC. AND RADFORD ARMY AMMUNITION ARE THE SAME FACILITY, REPORTING UNDER TWO SEPERATE IDSTHE SUMMARY REPORT REFLECTS ONLY ONE SET OF DATA VALUES FOR TOTALS.

Facility County/Independent			On-Site					Site Mar			Transfers		
Facility Name	•		fi	rom Section	5 of Form	ı R	Total	fre	om Section	8 of Form R	Total	from Sectio	n 6 of Form R
Tacinty Ivaniv	C/1 Iddi C33	Fugitive	Stack	Total			On-Site	Energy			On-Site		Total Other Off-Site
Chemical Name		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment		POTW	Transfers **
Chemical Ivanic	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
BENZENE	N	0	170	170	0	0	170	0)	0	0 0	0	0
BIPHENYL	N	1	1	2	0	0	2	e c)	0	0 0	0	0
CYCLOHEXANE	N	0	170	170	0	0	170	C)	0	0 0	0	0
ETHYLBENZENE	N	7	176	183	0	0	183	C)	0	0 0	0	132
METHYL TERT-BUTYL ETHER	N	0	340	340	0	0	340	O)	0	0 0	0	0
NAPHTHALENE	N	15	207	222	0	0	222	2)	0	0 0	0	678
N-HEXANE	N	0	170	170	0	0	170	0)	0	0 0	0	0
TOLUENE	N	0	851	851	0	0	851	C)	0	0 0	0	0
XYLENE (MIXED ISOMERS)	N	0	681	681	0	0	681	C)	0	0 0	0	0
Total for Allied Aviation Fueling Co	Inc	23	2,766	2,789	0	0	2,789	0)	0	0 0	0	810
ARLINGTON	PENTAGON	RESERVA	TION					2 N ROTA	ARY RD			NAICS Co	de 928110
1,2,4-TRIMETHYLBENZENE	N	0	46,712	46,712	0	0	46,712	e)	0	0 0	0	0
BIPHENYL	N	0	46,673	46,673	0	0	46,673	C)	0	0 0	0	0
CUMENE	N	0	23,320	23,320	0	0	23,320	C)	0	0 0	0	0
ETHYLBENZENE	N	0	25,353	25,353	0	0	25,353	C)	0	0 0	0	0
NAPHTHALENE	N	0	46,712	46,712	0	0	46,712	e c)	0	0 0	0	0
Total for Pentagon Reservation		0	188,770	188,770	0	0	188,770	0)	0	0 0	0	0
ARLINGTON	VIRGINIA C	ONCRETE	SHIRLING	GTON PLA	NT			2651 SHII	RLINGTO	N ROAD		NAICS Co	de 327320
NITRATE COMPOUNDS	N	0	0	0	0	555	555	C)	0	0 0	0	0
Total for Virginia Concrete Shirlingto	on Plant	0	0	0	0	555	555	0)	0	0 0	0	0
Total for Above County: (15 repo	rts)	23	191,536	191,559	0	555	192,114	o)	0	0 0	0	810
AUGUSTA	ACCUTEC B	LADES, IN	NC.					57 RAZO	R BLADE	LN		NAICS Co	ode 332215

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^{**} TOTAL OTHER OFF-SITE TRANSFERS = ALL OF FORM R SECTION 6.2 OFF-SITE TRANSFERS (DISPOSAL + TREATMENT + ENERGY RECOVERY + RECYCLING)

^{***} BAE SYSTEMS, ORDINANCE SYSTEMS INC. AND RADFORD ARMY AMMUNITION ARE THE SAME FACILITY, REPORTING UNDER TWO SEPERATE IDSTHE SUMMARY REPORT REFLECTS ONLY ONE SET OF DATA VALUES FOR TOTALS.

Facility County/Independent City		On-Site Releases from Section 5 of Form R							Site Man	Off-Site	Transfers		
	•		fı	rom Section	5 of Form	ı R		fr	om Section	8 of Form R		from Section	n 6 of Form R
Facility Name	e/Address						Total	_			Total		Total Other
		Fugitive	Stack	Total			On-Site	Energy		_	On-Site		Off-Site
Chemical Name	form A*	Air	Air	Air	Land	Water	Releases	Recovery (pounds)	Recycling		Management		Transfers **
AMMONIA	N	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)		(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
CHROMIUM	N N	0	0	0	0	0	0			0	0 0	0	183,798
Total for Accutec Blades, Inc.	11	432	29	461	0	0	461))	0	0 0	0	183,798
AUGUSTA	BALL ADVA				-				MORE RD			NAICS Co	
							16,000			0	0 0	0	
ALUMINUM (FUME OR DUST)	N Fachmalagias Car	0	16,000	16,000		0	16,000				0 0		39,000
Total for Ball Advanced Aluminum T	<u>-</u>	0	16,000	16,000	0	0	16,000			0	0 0		39,000
AUGUSTA	CERRO FABI	RICATED	PRODUCI	IS LLC				300 TRIA	NGLE DR			NAICS Co	de 332112
COPPER COMPOUNDS	N	0	0	0	0	0	0	()	0	0 0	10	271,143
NITRATE COMPOUNDS	N	0	0	0	0	0	0) ()	0	0 0	2,042	0
NITRIC ACID	N	0	0	0	0	0	0) ()	0 40,29	96 40,296	0	0
ZINC COMPOUNDS	N	0	0	0	0	0	0	()	0	0 0	8	194,010
Total for Cerro Fabricated Products	Llc	0	0	0	0	0	0	C)	0 40,29	96 40,296	2,060	465,153
AUGUSTA	DAIKIN APPI	LIED						207 LAUI	REL HILL	RD		NAICS Co	de 333415
COPPER	N	2	0	2	0	0	2	. ()	0	0 0	0	61,216
MANGANESE COMPOUNDS	N	24	0	24	0	0	24	()	0	0 0	0	2,985
SODIUM NITRITE	N	0	0	0	0	0	0	()	0	0 0	6,762	0
Total for Daikin Applied		25	0	25	0	0	25	c)	0	0 0	6,762	64,201
AUGUSTA	DEGESCH AN	MERICA I	INC					153 TRIA	NGLE DR			NAICS Co	de 325320
ALUMINUM PHOSPHIDE	Y	0	0	0	0	0	0) ()	0	0 0	0	0
AMMONIA	N	0	186	186	0	0	186	6)	0	0 0	0	0
PHOSPHINE	N	0	26	26	0	0	26	()	0	0 0	0	0
Total for Degesch America Inc		0	212	212	0	0	212	c)	0	0 0	0	0

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^{**} TOTAL OTHER OFF-SITE TRANSFERS = ALL OF FORM R SECTION 6.2 OFF-SITE TRANSFERS (DISPOSAL + TREATMENT + ENERGY RECOVERY + RECYCLING)

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Facility County/Independent	City			On-Site						agemen		Off-Site 7	ransfers
Facility Name	•		f	rom Section	15 of Form	R		fr	om Section	8 of Form R		from Section	
Facility Name	e/Auuress	Fugitive	Stack	Total			Total On-Site	Energy			Total On-Site		Total Other
Chemical Name		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment	Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
AUGUSTA	FLINT GROU	P NA CO	RP					106 TRIA	NGLE DR			NAICS Code	325910
BARIUM COMPOUNDS	Y	0	0	(0	0	0	()	0	0 0	0	0
Total for Flint Group Na Corp		0	0	0	0	0	0	C)	0	0 0	0	0
AUGUSTA	GROTTOES I	PLASTICS	ASTICS PLANT 149 GRAND CAVERNS DR			NAICS Code	326113						
ZINC COMPOUNDS	N	0	0	(0	0	0) () 22	4	0 224	0	484
Total for Grottoes Plastics Plant		0	0	O	0	0	0	C) 22	24	0 224	0	484
AUGUSTA	MASTIC HON	ME EXTE	RIORS ST	U ARTS DR	AFT			185 JOHN	NSON DR			NAICS Code	326199
ANTIMONY COMPOUNDS	Y	0	0	(0	0	0) ()	0	0 0	0	0
CHROMIUM COMPOUNDS(EXCE	EPT Y	0	0	(0	0	0	()	0	0 0	0	0
MANGANESE COMPOUNDS	Y	0	0	(0	0	0) ()	0	0 0	0	0
Total for Mastic Home Exteriors Stu	arts Draft	0	0	0	0	0	0	c)	0	0 0	0	0
AUGUSTA	NIBCO OF VI	IRGINIA I	NC.					131 JOHN	NSON DRIV	/E		NAICS Code	332112
CHROMIUM	N	0	0	(0	0	0	()	0	0 0	1	24,864
COPPER	N	7,881	5,846	13,727	7 0	20	13,747	′ ()	0	0 0	45	224,270
Total for Nibco Of Virginia Inc.		7,881	5,846	13,727	0	20	13,747	ď)	0	0 0	46	249,134
AUGUSTA	REXNORD IN	DUSTRIE	ES LLC					150 JOHN	NSON DR			NAICS Code	333612
AMMONIA	N	0	4,059	4,059	0	0	4,059	()	0	0 0	0	0
Total for Rexnord Industries Llc		0	4,059	4,059	0	0	4,059	C)	0	0 0	0	0
AUGUSTA	SHAMROCK	FOODS D	AIRY DIV	VERONA	VIRGINIA	A		318 MILI	L PL PKWY	<i>I</i>		NAICS Code	311511
NITRATE COMPOUNDS	N	0	0	(0	0	0	()	0	0 0	39,234	0
NITRIC ACID	N	5	0	5	5 0	0	5	()	0 39,8	35 39,835	0	0
Total for Shamrock Foods Dairy Div	Verona Virginia	5	0	5	0	0	5	c)	0 39,8	35 39,835	39,234	0

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Facility County/Independent (Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management				Transfers
	•		fi	rom Section	5 of Forn	ı R	· ·	fr	om Section	8 of Form R		from Section	6 of Form R
Facility Name	Address	Fugitive	Stack	Total			Total On-Site	Energy			Total On-Site		Total Other
		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment	Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
AUGUSTA	SUNLITE PL	ASTICS IN	NC.					846 KEE2	ZLETOWN	RD		NAICS Cod	le 326199
DI(2-ETHYLHEXYL) PHTHALATE	Y	0	0	0	0	0	C) ()	0	0 0	0	0
Total for Sunlite Plastics Inc.		0	0	0	0	0	0	O)	0	0 0	0	0
AUGUSTA	THE LYCRA	COMPAN	Y LLC					400 DU P	ONT BLVD	•		NAICS Cod	le 325220
DIISOCYANATES	N	18	0	18	0	0	18	3)	0	0 0	0	26,671
NITRATE COMPOUNDS	N	0	0	0	0	10,000	10,000) ()	0 23,00	0 23,000	0	0
Total for The Lycra Company Llc		18	0	18	0	10,000	10,018	s c)	0 23,00	0 23,000	0	26,671
Total for Above County: (26 repor	ts)	8,361	26,146	34,507	0	10,020	44,527	ď) 22	24 103,13	103,355	48,102	1,028,441
BEDFORD	BLUE RIDGE	WOOD P	RESERVI	NG INC.				1220 HEN	NDRICKS S	TORE RD		NAICS Cod	le 321114
COPPER COMPOUNDS	Y	0	0	0	0	0	C) ()	0	0 0	0	0
Total for Blue Ridge Wood Preservin	ig Inc.	0	0	0	0	0	0	o c)	0	0 0	0	0
BEDFORD	CUSTOM TR	UCK ONE	SOURCE					12660 E I	YNCHBUF	RG SALEM	ГРКЕ	NAICS Cod	le 333120
MANGANESE	N	64	0	64	0	0	64	1 ()	0	0 0	0	956
NICKEL	N	140	0	140	0	0	140) ()	0	0 0	0	652
Total for Custom Truck One Source		205	0	205	0	0	205	5 0)	0	0 0	0	1,608
BEDFORD	GEORGIA-PA	ACIFIC BI	G ISLAND	MILL				9363 LEE	-JACKSON	NHWY		NAICS Cod	le 322121
ACETALDEHYDE	N	1,226	50,062	51,288	9	587	51,883	3)	0 64,00	0 64,000	0	0
HYDROGEN SULFIDE	N	14,231	0	14,231	16	2	14,249))	0 120,00	0 120,000	0	0
MANGANESE COMPOUNDS	N	53	62	115	46,286	2,389	48,790) ()	0	0 0	0	0
METHANOL	N	4,047	310,658	314,705	483	1,053	316,242	2)	0 590,19	3 590,193	0	0
NITRATE COMPOUNDS	N	0	0	0	114	42,160	42,274	1 ()	0	0 0	0	0
Total for Georgia-Pacific Big Island N	/lill	19,558	360,782	380,339	46,908	46,191	473,438	3 0)	0 774,19	3 774,193	0	0

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^{**} TOTAL OTHER OFF-SITE TRANSFERS = ALL OF FORM R SECTION 6.2 OFF-SITE TRANSFERS (DISPOSAL + TREATMENT + ENERGY RECOVERY + RECYCLING)

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Facility County/Independent C	Facility County/Independent City			On-Site				On-Site Management from Section 8 of Form R					Transfers
Facility Name/	•		fr	om Section	5 of Form	R	70.41	fr	om Section	8 of Form R		from Section	1 6 of Form R
Facility Name/	Auuress	Fugitive	Stack	Total			Total On-Site	Energy			Total On-Site		Total Other
		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment	Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
BEDFORD	WHEELABRA	ATOR ABR	RASIVES I	NC				1 ABRAS	IVE AVE			NAICS Co	de 327910
CHROMIUM	N	0	0	0	6,899	0	6,899	C)	0	0 0	0	156,472
MANGANESE	N	0	0	0	18,379	0	18,379	C)	0	0 0	0	285,863
NICKEL	N	0	0	0	8,957	0	8,957	C)	0	0 0	0	180,454
Total for Wheelabrator Abrasives Inc		0	0	0	34,235	0	34,235	0)	0	0 0	0	622,789
Total for Above County: (11 report	s)	19,762	360,782	380,544	81,143	46,191	507,877	0	1	0 774,1	93 774,193	0	624,397
BLAND	ABB INC							171 INDU	STRY DRI	VE		NAICS Co	de 335311
COPPER	N	0	0	0	0	0	0	C)	0	0 0	1	328,622
MANGANESE	N	0	0	0	0	0	0	C)	0	0 0	0	23,286
NICKEL COMPOUNDS	N	0	0	0	0	0	0	C)	0	0 0	0	9,500
Total for Abb Inc		0	0	0	0	0	0	0)	0	0 0	1	361,408
BLAND	PASCOR ATI	LANTIC CO	ORP					254 INDU	STRY DR			NAICS Co	de 335313
COPPER	N	0	0	0	0	0	0	C)	0	0 0	0	19,250
Total for Pascor Atlantic Corp		0	0	0	0	0	0	0)	0	0 0	0	19,250
Total for Above County: (4 reports)	0	0	0	0	0	0	0	1	0	0 0	1	380,658
BOTETOURT	ALTEC INDU	STRIES, II	NC.					325 SOUT	TH CENTE	R DRIVE		NAICS Co	de 336211
MANGANESE	N	154	0	154	0	0	154	·)	0	0 0	0	55,600
Total for Altec Industries, Inc.		154	0	154	0	0	154	0)	0	0 0	0	55,600
BOTETOURT	DYNAX AME	ERICA COF	RP					568 E PAI	RK DR			NAICS Co	de 336350
HYDROCHLORIC ACID (1995 AND	A N	0	5,431	5,431	0	0	5,431	C)	0 97,90	97,906	0	0
METHANOL	N	54,963	18,011	72,974	0	0	72,974	·)	0 1,601,19	1,601,195	0	11,772

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Facility County/Independent (On-Site 1				On-Site Management				Off-Site	Transfers	
, , ,	•		fi	rom Section	5 of Form	R		fr	om Section 8	3 of Form R		from Section	1 6 of Form R
Facility Name	/Address	Fugitive	G ₄ 1	T 1			Total On-Site	Energy			Total		Total Other
		Air	Stack Air	Total Air	Land	Water	Releases	Recovery	Recycling	Treatment	On-Site Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
PHENOL	N	5,355	1,231	6,586	0	0	6,586	()	0 141,85	5 141,855	1	1,246
Total for Dynax America Corp		60,318	24,673	84,991	0	0	84,991	O)	0 1,840,95	6 1,840,956	1	13,018
BOTETOURT	GALA INDUS	STRIES IN	C.					181 PAUI	LEY ST			NAICS Coo	de 333249
CHROMIUM	N	0	0	0	0	0	0	()	0	0 0	0	37,030
Total for Gala Industries Inc.		0	0	0	0	0	0	o)	0	0 0	0	37,030
BOTETOURT	GENERAL S	HALE BRI	CK INC PI	LANT 35 &	36			2353 WEI	BSTER RD			NAICS Coo	de 327120
HYDROCHLORIC ACID (1995 ANI	DA N	0	17,060	17,060	0	0	17,060	0)	0 6,84	7 6,847	0	0
HYDROGEN FLUORIDE	N	0	7,020	7,020	0	0	7,020	()	0 167,02	3 167,023	0	0
MANGANESE COMPOUNDS	Y	0	0	0	0	0	0	()	0	0 0	0	0
Total for General Shale Brick Inc Pla	ınt 35 & 36	0	24,080	24,080	0	0	24,080	O)	0 173,87	0 173,870	0	0
BOTETOURT	METALSA R	OANOKE	INC.					184 VIST.	A DR			NAICS Coo	de 336390
MANGANESE	N	0	9	9	0	0	9	()	0	0 0	0	122,240
NICKEL	N	0	1	1	0	0	1	()	0	0 0	3	11,348
Total for Metalsa Roanoke Inc.		0	10	10	0	0	10	O)	0	0 0	3	133,588
BOTETOURT	ROANOKE (CEMENT (CO LLC					6071 CAT	TAWBA RD			NAICS Coo	de 327310
CHROMIUM COMPOUNDS(EXCE	PT Y	0	0	0	0	0	0	()	0	0 0	0	0
HYDROCHLORIC ACID (1995 ANI	O A N	0	10,164	10,164	0	0	10,164	()	0	0 0	0	0
MANGANESE COMPOUNDS	N	354	120	474	97	20	591	()	0	0 0	0	0
SULFURIC ACID (1994 AND AFTE	R"N	0	31,989	31,989	0	0	31,989	()	0	0 0	0	0
ZINC COMPOUNDS	Y	0	0	0	0	0	0	()	0	0 0	0	0
Total for Roanoke Cement Co Llc		354	42,273	42,627	97	20	42,744	O)	0	0 0	0	0
BOTETOURT	VIRGINIA T	RANSFOR	MER COR	P				201 TRAN	NSFORMEI	R WAY		NAICS Coo	de 335311

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Facility County/Independent C	itu		(On-Site 1	Release	S		On-Site Management				Off-Site	Transfers
• • •	•		fr	om Section	5 of Form	R		fr	om Section 8	8 of Form R		from Sectio	n 6 of Form R
Facility Name/	Address	E:4:	Stack	Total			Total On-Site	Energy			Total		Total Other
		Fugitive Air	Stack Air	1 otai Air	Land	Water	Releases	Recovery	Recycling	Treatment	On-Site Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
XYLENE (MIXED ISOMERS)	N	4,962	2,639	7,601	0	0	7,601	()	0	0 0	0	0
Total for Virginia Transformer Corp		4,962	2,639	7,601	0	0	7,601	O)	0	0 0	0	0
Total for Above County: (16 report	s)	65,788	93,675	159,463	97	20	159,580	O)	0 2,014,82	2,014,826	4	239,236
BRISTOL (CITY)	PERMATILE	CONCRE	TE PRODU	JCTS COM	PANY			100 BEAC	CON RD			NAICS Co	ode 327332
ALUMINUM (FUME OR DUST)	N	0	0	0	0	0	0	()	0	0 0	0	0
Total for Permatile Concrete Products	s Company	0	0	0	0	0	0	0)	0	0 0	0	0
Total for Above County: (1 record)		0	0	0	0	0	0	O	1	0	0 0	0	0
BRUNSWICK	REDLAND BI	RICK INC	-LAWREN	CEVILLE 1	PLANT			16024 GO	VERNOR I	HARRISON	PKWY	NAICS Co	de 327331
HYDROGEN FLUORIDE	N	0	414	414	0	0	414	()	0 41,39	8 41,398	0	0
MANGANESE	Y	0	0	0	0	0	0	()	0	0 0	0	0
Total for Redland Brick Inc-Lawrence	ville Plant	0	414	414	0	0	414	o)	0 41,39	8 41,398	0	0
Total for Above County: (2 reports)	0	414	414	0	0	414	O	1	0 41,39	8 41,398	0	0
BUCHANAN	JEWELL CO	KE CO LP						1034 DISI	MAL RIVE	R RD		NAICS Co	de 331110
HYDROCHLORIC ACID (1995 AND	A N	0	1,610,149	1,610,149	0	0	1,610,149	()	0	0 0	0	0
HYDROGEN FLUORIDE	N	0	35,340	35,340	0	0	35,340	()	0	0 0	0	0
SULFURIC ACID (1994 AND AFTER	a" N	0	464,324	464,324	0	0	464,324	()	0	0 0	0	0
Total for Jewell Coke Co Lp		0	2,109,813	2,109,813	0	0	2,109,813	O)	0	0 0	0	0
Total for Above County: (3 reports)	0	2,109,813	2,109,813	0	0	2,109,813	O	1	0	0 0	0	0
BUCKINGHAM	BEAR GARD	EN GENEI	RATING S	FATION				2608 C.G.	WOODSO	N ROAD		NAICS Co	de 221112
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	C)	0	0 0	0	0
NAPHTHALENE	Y	0	0	0	0	0	0	C)	0	0 0	0	0

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^{**} TOTAL OTHER OFF-SITE TRANSFERS = ALL OF FORM R SECTION 6.2 OFF-SITE TRANSFERS (DISPOSAL + TREATMENT + ENERGY RECOVERY + RECYCLING)

^{***} BAE SYSTEMS, ORDINANCE SYSTEMS INC. AND RADFORD ARMY AMMUNITION ARE THE SAME FACILITY, REPORTING UNDER TWO SEPERATE IDSTHE SUMMARY REPORT REFLECTS ONLY ONE SET OF DATA VALUES FOR TOTALS.

Facility County/Independent City		On-Site Releases						On-Site Management				Off-Site Transfers		
Facility Name/A	from Section 5 of Form R Total						from Section 8 of Form R Total				from Section 6 of Form R			
Tuelley I valle,	idai ess	Fugitive	Stack	Total			On-Site	Energy			On-Site		Total Other Off-Site	
Chemical Name		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment	Management	POTW	Transfers **	
	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	
N-HEXANE	Y	0	0	C	0	0	0	0	()	0 0	0	0	
Total for Bear Garden Generating Sta	ition	0	0	0	0	0	0	0	(0	0 0	0	0	
Total for Above County: (3 reports))	0	0	0	0	0	0	0		0	0 0	0	0	
BUENA VISTA (CITY)	EVERBRITE LLC						627 E 30TH ST					NAICS Code 339950		
COPPER	N	0	5	5	0	0	5	0	()	0 0	0	9,298	
MANGANESE	N	0	1	1	0	0	1	0	()	0 0	0	2,140	
Total for Everbrite Llc		0	6	6	0	0	6	0	(0	0 0	0	11,438	
Total for Above County: (2 reports))	0	6	6	0	0	6	0		0	0 0	0	11,438	
CAMPBELL	BANKER STEEL COMPANY, LLC					351 RANGOON ROAD						NAICS Code 332312		
CHROMIUM	N	0	0	C	0	0	0	0	()	0 0	0	22,600	
MANGANESE	N	0	0	C	0	0	0	0	()	0 0	0	52,312	
NICKEL	N	0	0	C	0	0	0	0	()	0 0	0	44,752	
Total for Banker Steel Company, Llc		0	0	0	0	0	0	0	(0	0 0	0	119,664	
CAMPBELL	BWXT NUCL	EAR OPERATIONS GROUP, INC.					1570 MOUNT ATHOS RD						de 332410	
CHROMIUM COMPOUNDS(EXCEP	T N	11	76	87	2	12	100	0	()	0 0	0	141	
COPPER COMPOUNDS	N	0	12	12	33	185	230	0	()	0 0	0	77,219	
HYDROGEN FLUORIDE	N	0	149	149	0	0	149	0	2,353	3 105,44	6 107,799	0	2,207	
NICKEL COMPOUNDS	N	3	155	158	3	11	173	0	()	0 0	0	59	
NITRATE COMPOUNDS	N	0	0	C	0	368,449	368,449	0	(1,050,17	0 1,050,170	0	150,655	
NITRIC ACID	N	17	2,843	2,860	0	0	2,860	0	21,010	1,067,10	9 1,088,118	0	523,031	
Total for Bwxt Nuclear Operations Group, Inc.		31	3,235	3,266	37	368,657	371,960	0	23,36	3 2,222,72	5 2,246,088	0	753,312	
CAMPBELL	GEORGIA-PACIFIC WOOD PRODUCTS LLC - BROOKN					OKNEAL O	SB	11795 BR	OOKNEAL	NAICS Code 321219				

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Facility Name/Address	Facility County/Independent City	On-Site Releases							Site Man	Off-Site Transfers			
Position Position	• • •	from Section 5 of Form R					T-4-1	fr	from Section 6 of Form R				
Chemical Name Air (pounds) Air (pounds) Air (pounds) Land (pounds) Water (pounds) Recover (pounds) Re	Facinty Name/Address	Fugitive	Stack	Total				Energy					
ACETALDEHYDE N 0 4,000 4,000 0 0 0 4,000 0 0 0 34,000 34,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Chamical Nama	_			Land	Water			Recycling	Treatment		POTW	Transfers **
FORMALDEHYDE N 0 13,000 13,000 42 0 13,042 0 0 82,000 82,000 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)		_		(pounds)
METHANOL N 0 63,000 63,000 0 63,000 0 0 200,000 200,000 0 0 0 PHENOL N 0 2,900 2,900 0 0 2,900 0 0 14,000 14,000 0 <td>ACETALDEHYDE N</td> <td>0</td> <td>4,000</td> <td>4,000</td> <td>0</td> <td>0</td> <td>4,000</td> <td>(</td> <td>)</td> <td>0 34,000</td> <td>34,000</td> <td>0</td> <td>0</td>	ACETALDEHYDE N	0	4,000	4,000	0	0	4,000	()	0 34,000	34,000	0	0
PHENOL N 0 2,900 2,900 0 2,900 0 0 14,000 14,000 0	FORMALDEHYDE N	0	13,000	13,000	42	0	13,042	()	0 82,000	82,000	4	0
Total for Georgia-Pacific Wood Products Llc - Brook 0 82,900 82,900 42 0 82,942 0 0 330,000 330,000 4 0 CAMPBELL SCHRADER-BRIDGEPORT INTERNATIONAL COPPER N 0	METHANOL N	0	63,000	63,000	0	0	63,000	0)	0 200,000	200,000	0	0
CAMPBELL SCHRADER-BRIDGEPORT INTERNATIONAL 205 FRAZIER RD NAICS Code 3363 COPPER N 0	PHENOL N	0	2,900	2,900	0	0	2,900	0)	0 14,000	14,000	0	0
COPPER N 0 <td>Total for Georgia-Pacific Wood Products Llc - Brook</td> <td>0</td> <td>82,900</td> <td>82,900</td> <td>42</td> <td>0</td> <td>82,942</td> <td>O</td> <td>)</td> <td>0 330,00</td> <td>330,000</td> <td>4</td> <td>0</td>	Total for Georgia-Pacific Wood Products Llc - Brook	0	82,900	82,900	42	0	82,942	O)	0 330,00	330,000	4	0
Total for Schrader-Bridgeport International 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1,730,887 Total for Above County: (14 reports) 31 86,135 86,166 79 368,657 454,902 0 23,363 2,552,725 2,576,088 4 2,603,863 CAROLINE HOOVER TREATED WOOD PRODUCTS, INC 18315 HOUSE DR NAICS Code 32199 ARSENIC COMPOUNDS N 0	CAMPBELL SCHRADER-J	RIDGEPORT INTERNATIONAL						205 FRAZIER RD				NAICS C	ode 336390
Total for Above County : (14 reports) 31 86,135 86,166 79 368,657 454,902 0 23,363 2,552,725 2,576,088 4 2,603,863 CAROLINE HOOVER TREATED WOOD PRODUCTS, INC 18315 HOUSE DR NAICS Code 3219 ARSENIC COMPOUNDS N 0 0 0 11 11 0 0 0 0 0 0 CHROMIUM COMPOUNDS(EXCEPT N 0 0 0 8 8 0 0 0 0 0 0 0	COPPER N	0	0	0	0	0	0	()	0	0 0	0	1,730,887
CAROLINE HOOVER TREATED WOOD PRODUCTS, INC 18315 HOUSE DR NAICS Code 3219 ARSENIC COMPOUNDS N 0 0 0 11 11 0 0 0 0 0 0 CHROMIUM COMPOUNDS(EXCEPT N 0 0 0 8 8 0 0 0 0 0 0	Total for Schrader-Bridgeport International	0	0	0	0	0	0	O)	0	0 0	0	1,730,887
ARSENIC COMPOUNDS N 0 0 0 0 11 11 11 0 0 0 0 0 0 0 0 CHROMIUM COMPOUNDS(EXCEPT N 0 0 0 8 8 8 0 0 0 0 0 0 0	Total for Above County: (14 reports)	31	86,135	86,166	79	368,657	454,902	O	23,36	3 2,552,72	5 2,576,088	4	2,603,863
CHROMIUM COMPOUNDS(EXCEPT N 0 0 0 0 8 8 0 0 0 0 0 0	CAROLINE HOOVER TR	OOD PRO	DUCTS, IN	IC			18315 HO	USE DR			NAICS C	ode 321999	
	ARSENIC COMPOUNDS N	0	0	0	0	11	11	()	0	0 0	0	0
COPPER COMPOUNDS N 0 0 0 0 9 9 0 0 0 0 0 0 0	CHROMIUM COMPOUNDS(EXCEPT N	0	0	0	0	8	8	()	0	0 0	0	0
	COPPER COMPOUNDS N	0	0	0	0	9	9	()	0	0	0	0
FORMALDEHYDE Y 0 0 0 0 0 0 0 0 0 0 0 0 0	FORMALDEHYDE Y	0	0	0	0	0	0	()	0	0 0	0	0
Total for Hoover Treated Wood Products, Inc 0 0 0 0 28 28 0 0 0 0 0 0	Total for Hoover Treated Wood Products, Inc	0	0	0	0	28	28	O)	0	0 0	0	0
CAROLINE JCI JONES CHEMICALS INC. 16248 INDUSTRIAL DR NAICS Code 42469	CAROLINE JCI JONES C	ONES CHEMICALS INC.						16248 INDUSTRIAL DR				NAICS C	ode 424690
CHLORINE N 0 0 0 0 0 0 0 0 0 0 0 0	CHLORINE	0	0	0	0	0	0	()	0	0	0	0
Total for Jci Jones Chemicals Inc. 0 0 0 0 0 0 0 0 0 0 0 0 0	Total for Jci Jones Chemicals Inc.	0	0	0	0	0	0	O)	0	0 0	0	0
CAROLINE LADYSMITH COMBUSTION TURBINE STATION 8063 CEDON RD NAICS Code 2211	CAROLINE LADYSMITH	TH COMBUSTION TURBINE STATION						8063 CEDON RD				NAICS C	ode 221112
1,2,4-TRIMETHYLBENZENE Y 0 0 0 0 0 0 0 0 0 0 0 0 0	1,2,4-TRIMETHYLBENZENE Y	0	0	0	0	0	0	()	0	0	0	0
NAPHTHALENE Y 0 0 0 0 0 0 0 0 0 0 0 0 0	NAPHTHALENE Y	0	0	0	0	0	0	()	0	0	0	0
N-HEXANE Y 0 0 0 0 0 0 0 0 0 0 0 0 0	N-HEXANE Y	0	0	0	0	0	0	()	0	0	0	0

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Facility County/Independent (City			On-Site						agemen		Off-Site	Transfers
, , ,	•		fı	om Section	5 of Form	ı R		fre	om Section 8	8 of Form R		from Section	n 6 of Form R
Facility Name	/Address	5	Gr. I	m 1			Total	Energy			Total		Total Other
		Fugitive Air	Stack Air	Total Air	Land	Water	On-Site Releases		Dogwaling	Treatment	On-Site	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	Recovery (pounds)	(pounds)	(pounds)	Management (pounds)	(pounds)	(pounds)
Total for Ladysmith Combustion Tur	bine Station	0	0	0		0	0	0	4 /	0	0 0	<u> </u>	0
CAROLINE	US ARMY FO	RT AP HI	LL RANGI	ES (PART)				19952 NO	RTH RANG	GE RD		NAICS Co	de 928110
COPPER	N	46	0	46	96,364	4,827	101,237	C)	0	0 0	0	533
NITROGLYCERIN	N	0	0	0	0	0	0	C)	0	0 0	0	0
Total for Us Army Fort Ap Hill Range	es (Part)	46	0	46	96,364	4,827	101,237	0)	0	0 0	0	533
Total for Above County: (10 repor	ts)	46	0	46	96,364	4,855	101,265	0)	0	0 0	0	533
CARROLL	VAUGHAN-B	ASSETT I	FURNITUR	E CO. GAI	LAX			300 E GR	AYSON ST			NAICS Co	de 337122
TOLUENE	N	5,950	33,864	39,813	0	0	39,813	C)	0	0 0	0	826
Total for Vaughan-Bassett Furniture	Co. Galax	5,950	33,864	39,813	0	0	39,813	0)	0	0 0	0	826
Total for Above County: (1 record	1)	5,950	33,864	39,813	0	0	39,813	0)	0	0 0	0	826
CHESAPEAKE (CITY)	AMERICAN (GFM COR	P					1200 CAV	ALIER BL	VD		NAICS Co	de 333517
AMMONIA	N	0	9,888	9,888	0	0	9,888	C)	0	0 0	0	0
Total for American Gfm Corp		0	9,888	9,888	0	0	9,888	0)	0	0 0	0	0
CHESAPEAKE (CITY)	CHESAPEAK	E ENERG	Y CENTE	₹				2701 VEP	CO ST			NAICS Co	de 221112
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	C)	0	0 0	0	0
N-HEXANE	Y	0	0	0	0	0	0	C)	0	0 0	0	0
Total for Chesapeake Energy Center	r	0	0	0	0	0	0	0)	0	0 0	0	0
CHESAPEAKE (CITY)	ELIZABETH	RIVER CO	OMBUSTIC	ON TURBII	NE STATI	ON		2837 S M	ILITARY H	IWY		NAICS Co	de 221112
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	C)	0	0 0	0	0
NAPHTHALENE	Y	0	0	0	0	0	0	C)	0	0 0	0	0
N-HEXANE	Y	0	0	0	0	0	0	C)	0	0 0	0	0

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Facility County/Independent (City			On-Site						nagement			Transfers
Facility Name			fr	om Section	5 of Form	R	Total	fr	om Section	8 of Form R		from Section	6 of Form R
Pacifity Name	Audiess	Fugitive	Stack	Total			On-Site	Energy			Total On-Site		Total Other Off-Site
Chemical Name		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment	Management	POTW	Transfers **
	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
Total for Elizabeth River Combustion	Turbine Station	0	0	0	0	0	0) ()	0	0 0	0	0
CHESAPEAKE (CITY)	FLOWSERVE	US INC						3900 COC	OK BLVD			NAICS Coo	le 333914
CHROMIUM	Y	0	0	0	0	0	C) ()	0	0 0	0	0
NICKEL	Y	0	0	0	0	0	C) ()	0	0 0	0	0
Total for Flowserve Us Inc		0	0	0	0	0	0) c)	0	0 0	0	0
CHESAPEAKE (CITY)	MITSUBISHI	CHEMIC	AL COMP	OSITES AN	MERICA			401 VOL	VO PKWY			NAICS Coo	le 332812
MANGANESE	N	0	0	0	0	0	C) ()	0	0 0	0	11,727
Total for Mitsubishi Chemical Compo	osites America	0	0	0	0	0	0) ()	0	0 0	0	11,727
CHESAPEAKE (CITY)	PERDUE FAR	RMS INC-0	CHESAPEA	KE GRAI	N			501A BAI	RNES RD			NAICS Coo	le 311224
N-HEXANE	N	102,523	228,197	330,720	0	0	330,720) ()	0	0 0	52	0
Total for Perdue Farms Inc-Chesape	eake Grain	102,523	228,197	330,720	0	0	330,720	O)	0	0 0	52	0
Total for Above County: (10 repor	ts)	102,523	238,085	340,608	0	0	340,608	B C)	0	0 0	52	11,727
CHESTERFIELD	ALERIS ROL	LED PRO	DUCTS IN	С				1701 REY	MET RD			NAICS Coo	le 331314
ALUMINUM (FUME OR DUST)	N	2,287	3,059	5,346	0	0	5,346	5 ()	0	0 0	0	840,547
Total for Aleris Rolled Products Inc		2,287	3,059	5,346	0	0	5,346	s c)	0	0 0	0	840,547
CHESTERFIELD	BELLWOOD	PRINTIN	G PLANT					2001 REY	MET RD			NAICS Coo	le 323111
AMMONIA	N	7,048	7,048	14,096	0	0	14,096	5)	0	0 0	0	0
Total for Bellwood Printing Plant		7,048	7,048	14,096	0	0	14,096	s c)	0	0 0	0	0
CHESTERFIELD	CHESTERFIE	ELD POW	ER STATIO	ON				500 COX	ENDALE R	aD.		NAICS Coo	le 221112
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	C) ()	0	0 0	0	0
AMMONIA	N	0	20	20	0	3,300	3,320) ()	0	0 0	0	0
BARIUM COMPOUNDS	N	0	78	78	120,000	12	120,090))	0	0 0	0	17,000

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Facility County/Independent C	'itv		(On-Site I	Release	S				agemen		Off-Site	Transfers
, , ,	•		fı	rom Section	5 of Form	R		fre	om Section	8 of Form R		from Section	6 of Form R
Facility Name/	Address	Fugitive	Stack	Total			Total On-Site	Energy			Total On-Site		Total Other
		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment	Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
CHROMIUM COMPOUNDS(EXCER	PT N	0	140	140	21,000	0	21,140	0)	0	0 0	0	3,000
COPPER COMPOUNDS	N	0	17	17	24,000	340	24,357	C)	0	0 0	0	3,400
HYDROCHLORIC ACID (1995 AND	A N	0	210,000	210,000	0	0	210,000	C)	0	0 0	0	0
HYDROGEN FLUORIDE	N	0	26,000	26,000	0	0	26,000	C)	0	0 0	0	0
MANGANESE COMPOUNDS	N	0	420	420	30,000	2	30,422	C)	0	0 0	0	4,200
NAPHTHALENE	Y	0	0	0	0	0	0	C)	0	0 0	0	0
N-HEXANE	Y	0	0	0	0	0	0	C)	0	0 0	0	0
NICKEL COMPOUNDS	N	0	97	97	21,000	81	21,178	C)	0	0 0	0	3,000
SULFURIC ACID (1994 AND AFTER	R" N	0	41,000	41,000	0	0	41,000	C)	0	0 0	0	0
VANADIUM COMPOUNDS	N	0	41	41	45,000	0	45,041	C)	0	0 0	0	6,400
ZINC COMPOUNDS	N	0	520	520	26,000	770	27,290	C)	0	0 0	0	3,700
Total for Chesterfield Power Station		0	278,333	278,3332	287,000	4,505	569,838	0)	0	0 0	0	40,700
CHESTERFIELD	CHURCH & I	DWIGHT (CO INC					1851 TOU	CHSTONE	E RD		NAICS Cod	le 326299
AMMONIA	N	14,015	257,613	271,628	0	0	271,628	C)	0	0 0	0	521
NITRATE COMPOUNDS	N	0	117	117	0	0	117	C)	0	0 0	0	44,173
Total for Church & Dwight Co Inc		14,015	257,730	271,745	0	0	271,745	0)	0	0 0	0	44,694
CHESTERFIELD	DUPONT TEI	IJIN FILM	IS .					3600 DISC	COVERY D	R		NAICS Cod	le 325211
ACETALDEHYDE	N	12,580	70,960	83,540	0	0	83,540	C)	0 3,3	71 3,371	0	504
ANTIMONY COMPOUNDS	N	0	0	0	0	42	42	C)	0	0 0	9	30
ETHYLENE GLYCOL	N	0	1,287	1,287	0	0	1,287	C)	0 537,1	75 537,175	0	69,110
METHANOL	N	3,020	20,827	23,847	0	4	23,851	C)	0	89 89	11	11
Total for Dupont Teijin Films		15,600	93,074	108,674	0	46	108,720	0)	0 540,6	35 540,635	21	69,655
CHESTERFIELD	ETERNAL TI	ECHNOLO	GY CORP	•				1800 TOU	CHSTONE	E RD		NAICS Cod	le 325992
												ļ.	

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^{**} TOTAL OTHER OFF-SITE TRANSFERS = ALL OF FORM R SECTION 6.2 OFF-SITE TRANSFERS (DISPOSAL + TREATMENT + ENERGY RECOVERY + RECYCLING)

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Facility County/Independent	City			On-Site l						agement		Off-Site	Transfers
, , ,	•		fr	om Section	5 of Form	R		fro	om Section 8	of Form R		from Section	
Facility Name	e/Address	Fugitive	Stack	Total			Total On-Site	Energy			Total		Total Other
a		Air	Air	1 otai Air	Land	Water	Releases	Recovery	Recycling	Treatment	On-Site Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
TOLUENE	N	0	0	0	0	0	0	100	(0	0 100	0	8
Total for Eternal Technology Corp		0	0	0	0	0	0	100	(0	0 100	0	8
CHESTERFIELD	FUJIFILM W	AKO CHE	EMICALS U	JSA CORP				1600 BEL	LWOOD R	D		NAICS Cod	le 325199
TOLUENE	N	750	3,300	4,050	0	0	4,050	0	(0 13,00	0 13,000	750	86,050
Total for Fujifilm Wako Chemicals U	Isa Corp	750	3,300	4,050	0	0	4,050	0	(0 13,00	0 13,000	750	86,050
CHESTERFIELD	FUJIFILM W	АКО СНЕ	EMICALS U	JSA CORP	ORATION	N		1600 BEL	LWOOD R	D		NAICS Cod	le 325199
AMMONIA	N	250	250	500	0	0	500	0	(0 60,20	0 60,200	0	6,000
HYDROCHLORIC ACID (1995 AN	D A N	400	750	1,150	0	0	1,150	0	(0 15,00	0 15,000	0	0
METHANOL	N	3,000	18,600	21,600	0	0	21,600	0	(0 165,00	0 165,000	0	171,000
Total for Fujifilm Wako Chemicals U	Isa Corporation	3,650	19,600	23,250	0	0	23,250	0	(0 240,20	0 240,200	0	177,000
CHESTERFIELD	GE ALSTOM	RICHMO	ND SERVI	CE CENTE	R			1200 WIL	LIS RD			NAICS Cod	le 333611
CHROMIUM	N	0	0	0	0	1	1	0	(0	0 0	0	20,080
COPPER	N	1	0	1	0	4	5	0	(0	0 0	0	38,785
NICKEL	N	0	0	0	0	0	1	0	(0	0 0	0	1,743
Total for Ge Alstom Richmond Serv	ice Center	1	0	1	0	5	7	0	(0	0 0	0	60,608
CHESTERFIELD	HONEYWELI	L INTERN	ATIONAL	COLONIA	L HEIGH	ITS PLANT		15801 WO	ODS EDGI	E RD		NAICS Cod	le 325220
FREON 113	N	200,000	67,080	267,080	0	0	267,080	0	344,200,330)	0 344,200,330	0	405
Total for Honeywell International Co	lonial Heights Pla	200,000	67,080	267,080	0	0	267,080	0	344,200,33	0	0 344,200,330	0	405
CHESTERFIELD	INDUSTRIAL	CHEMIC	CALS INC					2540 BEL	LWOOD R	D		NAICS Cod	le 424690
ETHYLENE GLYCOL	Y	0	0	0	0	0	0	0	(0	0 0	0	0
Total for Industrial Chemicals Inc		0	0	0	0	0	0	0	(0	0 0	0	0
CHESTERFIELD	KAISER ALU	MINUM F	FABRICAT	ED PRODU	JCTS LLO	C		1901 REY	MET RD			NAICS Cod	le 331318

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Facility County/Independent	City			On-Site l						agement			Transfers
Facility Nam	-		fi	rom Section	5 of Form	R	Total	fr	om Section 8	8 of Form R	Total	from Section	1 6 of Form R Total Other
		Fugitive	Stack	Total			On-Site	Energy			On-Site		Off-Site
Chemical Name	form A*	Air	Air	Air	Land	Water	Releases	Recovery	, ,		Management	POTW	Transfers **
1 PROMORDODANIE		(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
1-BROMOPROPANE	N	14,375	0	14,375	0	0	14,375			-	0 0	· ·	65
Total for Kaiser Aluminum Fabrica		14,375	0	14,375	0	0	14,375			•	0 0	0	65
CHESTERFIELD	PHILIP MOR	RIS USA	PARK 500 S	SITE				4100 BER	MUDA HU	NDRED RD		NAICS Co	de 312230
AMMONIA	N	2,997	299,435	302,432	0	151	302,583	()	0 2,63	6 2,636	0	710
CHLORINE	N	0	0	0	0	0	0	()	0 4,40	4,404	0	0
NICOTINE AND SALTS	N	170	17,047	17,217	0	20	17,237	()	0 99,42	4 99,424	0	129,912
NITRATE COMPOUNDS	N	0	0	0	0	2,424	2,424	. ()	0 113,94	4 113,944	0	0
Total for Philip Morris Usa Park 50	0 Site	3,167	316,482	319,649	0	2,595	322,244	C)	0 220,40	8 220,408	0	130,622
CHESTERFIELD	SABRA DIPP	ING CO L	LC					15900 SA	BRA WAY			NAICS Co	de 311999
NITRATE COMPOUNDS	N	0	0	0	0	0	0	()	0	0 0	73,800	73,800
NITRIC ACID	N	0	0	0	0	0	0	()	0 83,13	0 83,130	0	0
Total for Sabra Dipping Co Llc		0	0	0	0	0	0	O)	0 83,13	0 83,130	73,800	73,800
CHESTERFIELD	SAFETY-KLE	EEN SYST	EMS CHES	STER (CVA	.)			1200 W 10	00 RD			NAICS Co	de 562112
ETHYLENE GLYCOL	N	0	3	3	0	0	3	()	0	0 0	0	139,796
Total for Safety-Kleen Systems Ch	nester (Cva)	0	3	3	0	0	3	O)	0	0 0	0	139,796
CHESTERFIELD	SPRUANCE P	PLANT						U.S. HWY	1 AT COC	BILL RD		NAICS Co	de 325220
1,3-PHENYLENEDIAMINE	N	0	0	0	0	0	0	()	0	0 0	0	1,102
AMMONIA	N	6,919	3,147	10,066	0	15,606	25,672	()	0 3,19	2 3,192	0	14,601
CHLOROFORM	N	726	8,233	8,959	0	53	9,012	()	0 23	8 238	0	0
DIMETHYLAMINE	N	12,972	0	12,972	0	24,134	37,106	()	0 71,18	3 71,183	0	0
NITRATE COMPOUNDS	N	0	0	0	0	101,241	101,241	()	0	0 0	0	0
N-METHYL-2-PYRROLIDONE	N	0	44,060	44,060	0	4,672	48,732)	0 33,48	7 33,487	0	500,049
P-PHENYLENEDIAMINE	N	0	0	0	0	0	0	()	0	0 0	0	5,486

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Facility County/Independent (City			On-Site I						agement			Transfers
Facility Name	•		fi	rom Section	5 of Form	R	Total	fro	om Section 8	3 of Form R	Total	from Section	n 6 of Form R
Tacinty Name	// Iddi ess	Fugitive	Stack	Total			On-Site	Energy			On-Site		Total Other Off-Site
Chemical Name		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment	Management	POTW	Transfers **
	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
SODIUM NITRITE	N	0	0	0	0	6,085	6,085	0	(31,936	6 31,936	0	0
TOLUENE	N	29,731	32,209	61,940	0	20	61,960	0	(0 (0 0	0	11,377
TRICHLOROFLUOROMETHANE	N	153,247	6,195	159,442	0	34	159,476	0	(0 94	4 94	0	0
Total for Spruance Plant		203,595	93,844	297,439	0	151,845	449,284	0	(0 140,130	0 140,130	0	532,615
CHESTERFIELD	SUPER RADI	ATOR CO	OILS					451 SOUT	HLAKE BI	LVD		NAICS Co	de 333414
CHROMIUM	N	0	0	0	0	0	0	0	() (0 0	0	10,825
NICKEL	N	0	0	0	0	0	0	0	() (0 0	0	7,958
Total for Super Radiator Coils		0	0	0	0	0	0	0	(0 (0 0	0	18,783
CHESTERFIELD	TRIDENT AM	IERICAS						833 LIBE	RTY WAY			NAICS Co	de 332813
COPPER	N	0	690	690	0	0	690	0		0 (0 0	0	690
COPPER COMPOUNDS	N	0	445	445	0	0	445	0		0	0 0	0	14,012
Total for Trident Americas		0	1,135	1,135	0	0	1,135	0	(0 (0 0	0	14,702
CHESTERFIELD	UNIVAR USA	INC CHE	STER FAC	CILIT Y				1001 OLD	BERMUD	A HUNDREI	D RD	NAICS Co	de 424690
CERTAIN GLYCOL ETHERS	Y	0	0	0	0	0	0	0		0 (0 0	0	0
METHYL ISOBUTYL KETONE	Y	0	0	0	0	0	0	0		0	0 0	0	0
N,N-DIMETHYLFORMAMIDE	Y	0	0	0	0	0	0	0		0	0 0	0	0
N-HEXANE	Y	0	0	0	0	0	0	0		0	0 0	0	0
TOLUENE	N	20	197	217	0	0	217	0	() (0 0	0	18,112
Total for Univar Usa Inc Chester Fac	cilit Y	20	197	217	0	0	217	0	(0 (0 0	0	18,112
CHESTERFIELD	US DEFENSE	LOGISTI	CS AGENO	CY DEFENS	SE SUPPL	Y CENTE	R RICHM	8000 JEFI	FERSON DA	AVIS HWY		NAICS Co	de 425120
BROMOCHLORODIFLUOROMETE	HA N	569	0	569	0	0	569	0		0	0 0	0	0
BROMOTRIFLUOROMETHANE	N	1,148	0	1,148	0	0	1,148	0		0	0 0	0	0
CHLORODIFLUOROMETHANE	N	127	0	127	0	0	127	0	() (0 0	0	0

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Facility County/Independent Co	its		(On-Site l	Release	S		On-S	Site Man	agemen	t	Off-Site	Transfers
• • •	•		fi	rom Section	5 of Form	R				8 of Form R		from Section	n 6 of Form R
Facility Name/A	Address						Total	TO.			Total		Total Other
		Fugitive Air	Stack Air	Total Air	T J	XX/-4	On-Site Releases	Energy	Recycling	T44	On-Site	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	Land (pounds)	Water (pounds)	(pounds)	Recovery (pounds)	(pounds)	Treatment (pounds)	Management (pounds)	(pounds)	(pounds)
DICHLORODIFLUOROMETHANE (C N	930	0	930	· · /	0	930) (· · ·	0	0 0	4	0
DICHLOROTETRAFLUOROETHANI	E N	504	0	504	0	0	504	. ()	0	0 0	0	0
TRICHLOROFLUOROMETHANE	N	411	0	411	0	0	411	()	0	0 0	0	0
Total for Us Defense Logistics Agency	y Defense Supp	3,689	0	3,689	0	0	3,689	C)	0	0 0	0	0
CHESTERFIELD	VEOLIA JAM	IES RIVE	R PLANT					1201 BEL	LWOOD R	a D		NAICS Co	de 325180
HYDROGEN SULFIDE	N	168	0	168	0	0	168	3)	0	0 0	0	0
SULFURIC ACID (1994 AND AFTER	" N	2,966	14,194	17,160	0	0	17,160	()	0	0 0	0	0
Total for Veolia James River Plant		3,134	14,194	17,328	0	0	17,328	c)	0	0 0	0	0
Total for Above County: (67 reports	s)	471,331	1,155,079	1,626,4102	287,000	158,996	2,072,406	100	344,200,33	30 1,237,5	03 345,437,934	74,571	2,248,162
CLARKE	GRIFFITH E	NERGY SI	ERVICES I	NC-BERRY	VILLE			618 E MA	IN ST			NAICS Co	de 424710
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	C))	0	0 0	0	0
NAPHTHALENE	Y	0	0	0	0	0	C) ()	0	0 0	0	0
XYLENE (MIXED ISOMERS)	Y	0	0	0	0	0	C	()	0	0 0	0	0
Total for Griffith Energy Services Inc-E	Berryville	0	0	0	0	0	0	C)	0	0 0	0	0
CLARKE	HUNT COUN	TRY PRO	PANE					535 JACH	K ENDERS	BLVD		NAICS Co	de 424710
PROPYLENE	Y	0	0	0	0	0	C) ()	0	0 0	0	0
Total for Hunt Country Propane		0	0	0	0	0	0	C)	0	0 0	0	0
CLARKE	TRELLEBOR	RG MARIN	NE SYSTEM	AS USA, IN	C.			532 JACH	K ENDERS	BLVD		NAICS Co	de 326199
TOLUENE-2,4-DIISOCYANATE	N	0	1	1	0	0	1	. ()	0	0 0	335	335
Total for Trelleborg Marine Systems U	Jsa, Inc.	0	1	1	0	0	1	C)	0	0 0	335	335
Total for Above County: (5 reports))	0	1	1	0	0	1	C)	0	0 0	335	335

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Facility County/Independent Ci	tv			On-Site I						agement		Off-Site	Transfers
	•		fr	om Section	5 of Form	R		fre	om Section 8	8 of Form R		from Section	6 of Form R
Facility Name/A	laaress	F:4:	Stack	Total			Total On-Site	Energy			Total		Total Other
		Fugitive Air	Stack Air	1 otai Air	Land	Water	Releases	Recovery	Recycling	Treatment	On-Site Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
COLONIAL HEIGHTS (CITY)	SUN CHEMIC	CAL CORI	P					16000 CO	NTINENTA	AL BLVD		NAICS Cod	e 325910
COPPER	N	5	5	10	0	0	10	0		0	0 0	0	0
Total for Sun Chemical Corp		5	5	10	0	0	10	0		0	0 0	0	0
Total for Above County: (1 record)		5	5	10	0	0	10	0		0	0 0	0	0
COVINGTON (CITY)	INGEVITY V	IRGINIA (CORPORA	TION				958 E RIV	ERSIDE S	Т		NAICS Cod	e 325998
ACETALDEHYDE	N	2	350	352	0	0	352	0		0 46,00	0 46,000	0	0
FORMALDEHYDE	N	20	1,200	1,220	0	0	1,220	0		0 137,00	0 137,000	0	0
FORMIC ACID	N	0	12,000	12,000	0	0	12,000	0		0 908,00	0 908,000	0	0
METHANOL	N	0	39,000	39,000	0	0	39,000	0		0 2,800,00	0 2,800,000	0	0
Total for Ingevity Virginia Corporation		22	52,550	52,572	0	0	52,572	0		0 3,891,00	0 3,891,000	0	0
COVINGTON (CITY)	WESTROCK	VIRGINIA	A CORP (E	NTIRE)				104 E. RI	VERSIDE S	TREET		NAICS Cod	e 322130
ACETALDEHYDE	N	1,200	56,000	57,200	6	2,300	59,506	3,000		0 110,00	0 113,000	0	0
AMMONIA	N	450	220,000	220,450	0	730	221,180	0		0 410,00	0 410,000	0	0
BARIUM COMPOUNDS	N	0	1,800	1,800	110,000	0	111,800	0		0	0 0	0	0
CATECHOL	N	0	0	0	0	17	17	0		0 44	0 440	0	0
CHLORINE	N	5	500	505	0	0	505	0		0 55,00	0 55,000	0	0
CHLORINE DIOXIDE	N	5	4,100	4,105	0	0	4,105	0		0 410,00	0 410,000	0	0
CRESOL (MIXED ISOMERS)	N	170	10,000	10,170	2	4	10,176	730		0 22,00	0 22,730	0	0
FORMALDEHYDE	N	370	14,000	14,370	6	720	15,096	16		0 13,00	0 13,016	0	0
FORMIC ACID	N	0	0	0	1	410	411	0		0 55	0 550	0	0
HYDROCHLORIC ACID (1995 AND A	A N	0	210,000	210,000	0	0	210,000	0		0 330,00	0 330,000	0	0
HYDROGEN SULFIDE	N	6,600	81,000	87,600	270	410	88,280	0		0 700,00	0 700,000	0	0

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Facility County/Independent Co	itv			On-Site 1						agement		Off-Site	Transfers
	•		fı	rom Section	5 of Form	R		fro	om Section 8	of Form R		from Section	1 6 of Form R
Facility Name/A	Adaress	Fugitive	Stack	Total			Total On-Site	Energy			Total On-Site		Total Other
		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment	On-Site Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
MANGANESE COMPOUNDS	N	0	460	460	290,000	38,000	328,460	0	(0	0	0	0
METHANOL	N	490,000	1,000,000	1,490,000	7,300	2,300	1,499,600	470,000		25,000,000	25,470,000	0	0
PHENOL	N	190	36,000	36,190	3	4	36,197	330		7,900	8,230	0	0
SULFURIC ACID (1994 AND AFTER	" N	0	38,000	38,000	0	0	38,000	0	(200,000	200,000	0	0
VANADIUM COMPOUNDS	N	0	14	14	7,700	1,300	9,014	0	(0	0	0	0
ZINC COMPOUNDS	N	0	620	620	38,000	2,300	40,920	0	(0	0	0	0
Total for Westrock Virginia Corp (Entir	re)	498,990	1,672,494	2,171,484	453,288	48,495	2,673,267	474,076	(27,258,890	27,732,966	0	0
Total for Above County: (21 reports	s)	499,012	1,725,044	2,224,056	453,288	48,495	2,725,839	474,076		0 31,149,890	31,623,966	0	0
CULPEPER	ARDENT MII	LLS, LLC						1900 INDU	USTRY DR			NAICS Co	de 311211
CHLORINE	Y	0	0	0	0	0	0	0		0	0	0	0
Total for Ardent Mills, Llc		0	0	0	0	0	0	0	(0	0	0	0
CULPEPER	BINGHAM &	TAYLOR	1					601 NALL	LE PL			NAICS Co	de 331511
CHROMIUM	N	0	1	1	0	0	1	0	(0	0	0	5,602
COPPER	N	0	0	0	0	0	0	0	(0	0	0	1,252
MANGANESE	N	0	13	13	0	0	13	0	(0	0	0	5,736
NICKEL	N	0	0	0	0	0	0	0	(0	0	0	7,324
Total for Bingham & Taylor		0	14	14	0	0	14	0	(0	0	0	19,914
CULPEPER	BRANTNER 6	& ASSOCI	IATES INC	, DBA TE (CONNECT	TIVITY MO)G	751 OLD	BRANDY R	D		NAICS Co	de 331491
CHROMIUM	N	0	0	0	0	0	0	0	(0	0	0	25,447
COPPER	N	0	0	0	0	0	0	0	(0	0	4,263	134,166
MANGANESE	N	0	6	6	0	0	6	0	(0	0	0	37,569
NICKEL	N	0	1	1	0	0	1	0	(0	0	0	8,225

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^{**} TOTAL OTHER OFF-SITE TRANSFERS = ALL OF FORM R SECTION 6.2 OFF-SITE TRANSFERS (DISPOSAL + TREATMENT + ENERGY RECOVERY + RECYCLING)

^{***} BAE SYSTEMS, ORDINANCE SYSTEMS INC. AND RADFORD ARMY AMMUNITION ARE THE SAME FACILITY, REPORTING UNDER TWO SEPERATE IDSTHE SUMMARY REPORT REFLECTS ONLY ONE SET OF DATA VALUES FOR TOTALS.

Facility County/Independent (City			On-Site						agement			Transfers
Facility Name	· ·		fı	om Section	5 of Form	ı R	Total	fr	om Section	8 of Form R		from Section	
Pacificy Name	Audiess	Fugitive	Stack	Total			On-Site	Energy			Total On-Site		Total Other Off-Site
Chemical Name		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment	Management	POTW	Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
ZINC (FUME OR DUST)	N	0	0	0	0	0	C	()	0	0 0	0	13,105
Total for Brantner & Associates Inc,	Dba Te Connecti	0	8	8	0	0	8	C)	0	0 0	4,263	218,512
CULPEPER	CULPEPER V	VOOD PR	ESERVERS	8				15487 BR	AGGS COI	RNER RD		NAICS Cod	le 321114
COPPER COMPOUNDS	N	0	0	0	0	0	C))	0	0 0	0	0
Total for Culpeper Wood Preservers		0	0	0	0	0	0	0)	0	0 0	0	0
CULPEPER	MASCO CAB	INETRY I	LLC					641 MAD	DOX DR			NAICS Cod	le 337110
XYLENE (MIXED ISOMERS)	N	0	12,908	12,908	0	0	12,908	3)	0	0 0	0	6,207
Total for Masco Cabinetry Llc		0	12,908	12,908	0	0	12,908	o)	0	0 0	0	6,207
CULPEPER	QUARLES PE	TROLEU	M INC. CU	LPEPER E	BULK PLA	ANT		15427 BR	ANDY RD			NAICS Cod	le 424710
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	C	()	0	0 0	0	0
BENZENE	Y	0	0	0	0	0	C	()	0	0 0	0	0
ETHYLBENZENE	Y	0	0	0	0	0	C	()	0	0 0	0	0
N-HEXANE	Y	0	0	0	0	0	C	()	0	0 0	0	0
TOLUENE	Y	0	0	0	0	0	C	()	0	0 0	0	0
XYLENE (MIXED ISOMERS)	Y	0	0	0	0	0	C	()	0	0 0	0	0
Total for Quarles Petroleum Inc. Cul	peper Bulk Plant	0	0	0	0	0	0	O)	0	0 0	0	0
CULPEPER	U.S. ARMY W	ARRENT	ON TRAIN	ING CENT	TER, STA	ΓΙΟΝ D		22129 CO	NFEDERA	TE ROAD		NAICS Cod	le 928110
1,2,4-TRIMETHYLBENZENE	N	0	0	0	0	0	C	()	0	0 0	0	0
Total for U.S. Army Warrenton Train	ing Center, Stati	0	0	0	0	0	0	O)	0	0 0	0	0
Total for Above County: (19 repor	rts)	0	12,929	12,929	0	0	12,930	o)	0	0 0	4,263	244,633
CUMBERLAND	GEMINI-FAR	MVILLE						102 HAUS	SCHILD DI	3		NAICS Cod	le 339950
COPPER	Y	0	0	0	0	0	C	()	0	0 0	0	0

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^{**} TOTAL OTHER OFF-SITE TRANSFERS = ALL OF FORM R SECTION 6.2 OFF-SITE TRANSFERS (DISPOSAL + TREATMENT + ENERGY RECOVERY + RECYCLING)

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Facility County/Independent C	City			On-Site						nagemen			Transfers
Facility Name/	•		fı	rom Section	5 of Form	ı R	Tr. 4.1	fr	om Section	8 of Form R		from Section	n 6 of Form R
racinty Name/	Address	Fugitive	Stack	Total			Total On-Site	Energy			Total On-Site		Total Other
		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment		POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
Total for Gemini-Farmville		0	0	0	0	0	0	C)	0	0 0	0	0
Total for Above County: (1 record)		0	0	0	0	0	0	C)	0	0 0	0	0
DANVILLE (CITY)	AMERICAN I	PHOENIX	INC					121 MAR	THA ST			NAICS Co	ode 325998
COBALT COMPOUNDS	N	5	5	10	0	0	10	()	0	0 0	0	0
ZINC COMPOUNDS	N	5	5	10	0	0	10	()	0	0 0	0	0
Total for American Phoenix Inc		10	10	20	0	0	20	c)	0	0 0	0	0
DANVILLE (CITY)	THE GOODY	EAR TIRI	E & RUBBI	ER CO.				1901 GO	ODYEAR B	SLVD		NAICS Co	de 326211
COBALT COMPOUNDS	N	0	3	3	0	0	3	()	0	0 0	0	3,384
ZINC COMPOUNDS	N	0	260	260	0	112	372	()	0	0 0	589	297,568
Total for The Goodyear Tire & Rubbe	er Co.	0	263	263	0	112	375	C)	0	0 0	589	300,952
Total for Above County: (4 reports	s)	10	273	283	0	112	395	C)	0	0 0	589	300,952
DINWIDDIE	CHAPARRAL	ر (VA) INC	2					25801 НО	FHEIMER	R WAY		NAICS Co	ode 331110
CHROMIUM COMPOUNDS(EXCER	PT N	15	22	37	0	14	51	()	0	0 0	0	39,628
COPPER COMPOUNDS	N	0	0	0	0	17	17	()	0	0 0	0	30,829
MANGANESE COMPOUNDS	N	124	106	230	0	0	230	()	0	0 0	0	375,043
NICKEL COMPOUNDS	N	1	72	73	0	0	73	()	0	0 0	0	3,501
ZINC COMPOUNDS	N	0	0	0	0	101	101	()	0	0 0	0	1,343,389
Total for Chaparral (Va) Inc		140	200	340	0	132	472	C)	0	0 0	0	1,792,390
DINWIDDIE	TMS INTERN	ATIONAL	L, LLC					25805 НО	OFHEIMEI	R WAY		NAICS Co	ode 562920
CHROMIUM COMPOUNDS(EXCER	PT N	10	0	10	0	0	10	()	0	0 0	0	0
COPPER COMPOUNDS	N	10	0	10	0	0	10	()	0	0 0	0	0
MANGANESE COMPOUNDS	N	34	0	34	0	0	34	. ()	0	0 0	0	0

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Facility County/Independent (City			On-Site						agemen			Transfers
Facility Name			fı	om Section	5 of Form	ı R	T . 1	fr	om Section	8 of Form R		from Sectio	n 6 of Form R
Facility Name	Audress	Fugitive	Stack	Total			Total On-Site	Energy			Total On-Site		Total Other
Chemical Name		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment		POTW	Off-Site Transfers **
Cnemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
NICKEL COMPOUNDS	N	20	0	20	0	0	20) (0	0	0 0	0	0
Total for Tms International, Llc		74	0	74	0	0	74	. (ס	0	0 0	0	0
Total for Above County: (9 report	s)	214	200	414	0	132	546	()	0	0 0	0	1,792,390
FAIRFAX	BUSH CENTE	ER FOR IN	NTELLIGE	NCE (CIA)				1000 COI	LONIAL FA	RM RD		NAICS Co	de 928110
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0) (0	0	0 0	0	0
Total for Bush Center For Intelligence	e (Cia)	0	0	0	0	0	0	()	0	0 0	0	0
FAIRFAX	NEWINGTON	CONCRI	ETE PLAN	Т				8413 TER	RMINAL RI	D		NAICS Co	de 327320
NITRATE COMPOUNDS	N	0	0	0	0	708	708	3	0	0	0 0	0	0
Total for Newington Concrete Plant		0	0	0	0	708	708	· c	ס	0	0 0	0	0
FAIRFAX	SICPA SECUI	RINK COI	RP					8000 RES	SEARCH W	AY		NAICS Co	de 325910
CERTAIN GLYCOL ETHERS	N	403	0	403	0	0	403	(0	0	0 0	0	1,000
PHTHALIC ANHYDRIDE	Y	0	0	0	0	0	0) (0	0	0 0	0	0
TOLUENE DIISOCYANATE (MIXE	DI Y	0	0	0	0	0	0)	0	0	0 0	0	0
Total for Sicpa Securink Corp		403	0	403	0	0	403)	0	0 0	0	1,000
FAIRFAX	SUPERIOR C	ONCRET	E MATERI	ALS INC	LORTO	N		8420 TER	RMINAL RI	D		NAICS Co	de 327320
NITRATE COMPOUNDS	Y	0	0	0	0	0	0) (0	0	0 0	0	0
Total for Superior Concrete Materials	s Inc Lorton	0	0	0	0	0	0	()	0	0 0	0	0
FAIRFAX	TITAN VIRG	INIA REA	DY-MIX L	LC-SPRIN	GFIELD F	PLANT		6600 ELE	ECTRONIC	DR		NAICS Co	de 327320
NITRATE COMPOUNDS	N	0	0	0	0	56	56	5	0	0	0 0	0	0
Total for Titan Virginia Ready-Mix Ll	c-Springfield Plan	0	0	0	0	56	56)	0	0 0	0	0
FAIRFAX	US ARMY GA	RRISON	FORT BEL	VOIR				9430 JAC	CKSON LO	OP		NAICS Co	de 928110
ETHYLBENZENE	N	2	2	3	0	0	3	(0	0	0 0	0	0

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Facility County/Independent	City		On-Site Releases from Section 5 of Form R							nagemen		Off-Site	Transfers
• • •	•		fı	rom Section	5 of Form	R		fr	om Section	8 of Form R		from Section	6 of Form R
Facility Name	e/Address						Total	E			Total		Total Other
		Fugitive	Stack	Total	т 1	XX7 4	On-Site	Energy	D II	TD 4 4	On-Site	DOTW.	Off-Site Transfers **
Chemical Name	form A*	Air (pounds)	Air (pounds)	Air (pounds)	Land (pounds)	Water (pounds)	Releases (pounds)	Recovery (pounds)	(pounds)	Treatment (pounds)	Management (pounds)	POTW (pounds)	(pounds)
NAPHTHALENE	N	0	2	2	<u> </u>	0	3	(· ·	0	0 0		2
Total for Us Army Garrison Fort Bel	oir/oir	2	3	5	1	0	6	()	0	0 0	0	2
FAIRFAX	VIRGINIA CO	ONCRETE	EDSALL	ROAD PLA	NT			5412 IND	USTRIAL I	DR		NAICS Coo	de 327320
NITRATE COMPOUNDS	N	0	0	0	0	380	380	()	0	0 0	0	0
Total for Virginia Concrete Edsall Ro	oad Plant	0	0	0	0	380	380	()	0	0 0	0	0
Total for Above County: (10 repo	rts)	405	3	408	1	1,144	1,553	()	0	0 0	0	1,002
FAIRFAX (CITY)	MOTIVA FAI	RFAX TE	RMINAL					3800 PIC	KETT RD			NAICS Coo	de 424710
1,2,4-TRIMETHYLBENZENE	N	38	14	52	0	0	52	()	0	0 0	0	0
BENZENE	N	74	151	225	0	0	225	()	0	0 0	0	0
CUMENE	N	3	8	11	0	0	11	()	0	0 0	0	0
ETHYLBENZENE	N	31	36	67	0	0	67	()	0	0 0	0	0
NAPHTHALENE	N	4	4	8	0	0	8	()	0	0 0	0	0
N-HEXANE	N	127	253	380	0	0	380	()	0	0 0	0	0
STYRENE	N	2	4	6	0	0	6	()	0	0 0	0	0
TOLUENE	N	182	327	509	0	0	509	()	0	0 0	0	0
XYLENE (MIXED ISOMERS)	N	168	174	342	0	0	342	()	0	0 0	0	0
Total for Motiva Fairfax Terminal		629	971	1,600	0	0	1,600	C)	0	0 0	0	0
Total for Above County: (9 report	s)	629	971	1,600	0	0	1,600	C)	0	0 0	0	0
FALLS CHURCH (CITY)	VIRGINIA CO	ONCRETE	FALLS C	HURCH PL	ANT			7103 GOI	RDON RD			NAICS Coo	de 327320
NITRATE COMPOUNDS	N	0	0	0	0	248	248	()	0	0 0	0	0
Total for Virginia Concrete Falls Chu	ırch Plant	0	0	0	0	248	248	C)	0	0 0	0	0

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Facility County/Independent C	City			On-Site 1						nagemen			e Transfers
Facility Name/	•		fi	rom Section	5 of Form	ı R	Total	fr	om Section	8 of Form R		from Secti	on 6 of Form R
Pacinty Name/	Audiess	Fugitive	Stack	Total			On-Site	Energy			Total On-Site		Total Other
Chemical Name		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment	Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
Total for Above County: (1 record)		0	0	0	0	248	248	()	0	0 0	0	0
FAUQUIER	FIBERGLASS	ENGINE	ERING CO)				5019 AIR	PORT RD			NAICS C	ode 326199
STYRENE	N	6,360	0	6,360	0	0	6,360	()	0	0 0	0	0
Total for Fiberglass Engineering Co		6,360	0	6,360	0	0	6,360	C)	0	0 0	0	0
FAUQUIER	MARSHALL	BULK PL	ANT					3778 WH	ITING RD	- LOT 9		NAICS C	ode 424710
PROPYLENE	Y	0	0	0	0	0	0	()	0	0 0	0	0
Total for Marshall Bulk Plant		0	0	0	0	0	0	C)	0	0 0	0	0
FAUQUIER	OLD DOMINI	ON ELEC	CTRIC CO-	OP MARSI	H RUN GI	ENERATIO	N FACIL	12109 LU	CKY HILI	RD		NAICS C	ode 221112
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	()	0	0 0	0	0
NAPHTHALENE	Y	0	0	0	0	0	0	()	0	0 0	0	0
N-HEXANE	Y	0	0	0	0	0	0	()	0	0 0	0	0
Total for Old Dominion Electric Co-O	p Marsh Run Ge	0	0	0	0	0	0	C)	0	0 0	0	0
FAUQUIER	REMINGTON	POWER	STATION					12025 LU	CKY HILI	ROAD		NAICS C	ode 221112
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	()	0	0 0	0	0
NAPHTHALENE	Y	0	0	0	0	0	0	()	0	0 0	0	0
N-HEXANE	Y	0	0	0	0	0	0	()	0	0 0	0	0
Total for Remington Power Station		0	0	0	0	0	0	C)	0	0 0	0	0
FAUQUIER	US DOD WAR	RRENTON	TRAININ	G CENTER	R STATIO	N B		7471 BEA	AR WALLO	W RD		NAICS C	ode 928110
1,2,4-TRIMETHYLBENZENE	N	0	0	0	0	0	0	()	0	0 0	0	0
BIPHENYL	N	0	0	0	0	0	0	()	0	0 0	0	0
CUMENE	N	0	0	0	0	0	0	()	0	0 0	0	0
ETHYLBENZENE	N	0	0	0	0	0	0	()	0	0 0	0	0

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Facility County/Independent (Tity		(On-Site 1	Release	es .		On-S	Site Man	agemen	t	Off-Site 7	Transfers
	•		fı	om Section	5 of Form	R		fr	om Section	8 of Form R		from Section	<u>6 of Form R</u>
Facility Name	/Address		Gr. I	m . 1			Total	Enorgy			Total		Total Other
		Fugitive Air	Stack Air	Total Air	Land	Water	On-Site Releases	Energy Recovery	Recycling	Treatment	On-Site	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	Management (pounds)	(pounds)	(pounds)
NAPHTHALENE	N	0	10	10	<u>, , , , , , , , , , , , , , , , , , , </u>	0	10	(4	0	0 0		0
XYLENE (MIXED ISOMERS)	N	0	14	14	0	0	14)	0	0 0	0	0
Total for Us Dod Warrenton Training	Center Station	0	24	24	0	0	24	o)	0	0 0	0	0
Total for Above County: (14 repor	ts)	6,360	24	6,384	0	0	6,384	C)	0	0 0	0	0
FRANKLIN	BLUE RIDGE	SOLVEN	TS & COA	TINGS				3800 ORI	GINAL HE	NRY RD		NAICS Code	e 325510
TOLUENE	Y	0	0	0	0	0	0	()	0	0 0	0	0
Total for Blue Ridge Solvents & Coal	tings	0	0	0	0	0	0	o)	0	0 0	0	0
FRANKLIN	FLEETWOOI	HOMES	OF VIRGI	NIA INC 19	9-2			90 WEAV	ER ST			NAICS Cod	e 321991
DIISOCYANATES	Y	0	0	0	0	0	0	()	0	0 0	0	0
Total for Fleetwood Homes Of Virgin	ia Inc 19-2	0	0	0	0	0	0	O)	0	0 0	0	0
FRANKLIN	GREAT SOUT	THERN W	OOD - VA,	INC.				1050 N M	AIN ST			NAICS Code	e 321114
ARSENIC COMPOUNDS	Y	0	0	0	0	0	0	()	0	0 0	0	0
CHROMIUM COMPOUNDS(EXCE	PT Y	0	0	0	0	0	0	()	0	0 0	0	0
COPPER	Y	0	0	0	0	0	0	()	0	0 0	0	0
Total for Great Southern Wood - Va,	Inc.	0	0	0	0	0	0	O)	0	0 0	0	0
Total for Above County: (5 reports	s)	0	0	0	0	0	0	C)	0	0 0	0	0
FREDERICK	FISHER SCIE	NTIFIC I	NTERNAT	IONAL MT	TN DIAGN	NOSTICS P	LANT	8365 VAL	LEY PIKE	;		NAICS Code	e 325413
CERTAIN GLYCOL ETHERS	N	0	0	0	0	0	0	()	0	0 0	0	2,450
Total for Fisher Scientific Internation	al Mtn Diagnosti	0	0	0	0	0	0	O)	0	0 0	0	2,450
FREDERICK	HP HOOD LL	C						160 HOO	D WAY			NAICS Code	e 311511
NITRATE COMPOUNDS	N	0	0	0	0	0	0	()	0	0 0	87,409	87,409

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^{**} TOTAL OTHER OFF-SITE TRANSFERS = ALL OF FORM R SECTION 6.2 OFF-SITE TRANSFERS (DISPOSAL + TREATMENT + ENERGY RECOVERY + RECYCLING)

^{***} BAE SYSTEMS, ORDINANCE SYSTEMS INC. AND RADFORD ARMY AMMUNITION ARE THE SAME FACILITY, REPORTING UNDER TWO SEPERATE IDSTHE SUMMARY REPORT REFLECTS ONLY ONE SET OF DATA VALUES FOR TOTALS.

Facility County/Independent C	City			On-Site 1						agement			Transfers
Facility Name/	'Address		11	om Section	5 of Form	K	Total	fre	om Section 8	3 of Form R	Total	from Sectio	n 6 of Form R Total Other
		Fugitive	Stack	Total			On-Site	Energy			On-Site		Off-Site
Chemical Name	fo	Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment	Management	POTW	Transfers **
	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
NITRIC ACID	N	0	0	0	-	0	0	0		0 88,802	ŕ		0
PERACETIC ACID	N	0	0	0		0	0	0		.0,,,	<i></i>		0
Total for Hp Hood Llc		0	0	0	0	0	0	0		0 129,56	8 129,568	87,409	87,409
FREDERICK	KINGSPAN II	NSULATIO	ON LLC					172 PACT	TIV WAY			NAICS Co	de 326140
METHANOL	N	53,219	0	53,219	0	0	53,219	0	(0	0 0	0	0
Total for Kingspan Insulation Llc		53,219	0	53,219	0	0	53,219	0		0 (0 0	0	0
FREDERICK	QG PRINTING	G II CORI	?					160 CENT	CURY LN S	TONEWALI	L IND US TR	ANAPKSICO	de 323111
CERTAIN GLYCOL ETHERS	N	5,884	275	6,159	0	0	6,159	0		0 13,45	5 13,455	0	0
ETHYLENE GLYCOL	N	3,223	150	3,373	0	0	3,373	0		0 7,370	7,370	0	0
Total for Qg Printing li Corp		9,107	425	9,532	0	0	9,532	0		0 20,82	5 20,825	0	0
FREDERICK	QUARLES PE	ETROLEU	M INC. WI	NCHESTE	R BULK I	PLANT		779 SMIT	HFIELD A	VE		NAICS Co	de 424710
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0		0	0	0	0
BENZENE	Y	0	0	0	0	0	0	0		0	0 0	0	0
ETHYLBENZENE	Y	0	0	0	0	0	0	0		0	0 0	0	0
N-HEXANE	Y	0	0	0	0	0	0	0		0	0 0	0	0
TOLUENE	Y	0	0	0	0	0	0	0		0	0 0	0	0
XYLENE (MIXED ISOMERS)	Y	0	0	0	0	0	0	0		0	0 0	0	0
Total for Quarles Petroleum Inc. Wind	chester Bulk Pla	0	0	0	0	0	0	0		0 (0 0	0	0
FREDERICK	TREX - VIRG	INIA MAI	NUFACTUI	RING OPE	RATIONS			3229 SHA	WNEE DR	IVE		NAICS Co	de 326199
CHROMIUM COMPOUNDS(EXCEP	PT N	0	0	0	0	0	0	0		0	0 0	0	1,096
MANGANESE COMPOUNDS	Y	0	0	0	0	0	0	0		0	0 0	0	0
ZINC COMPOUNDS	Y	0	0	0	0	0	0	0		0	0	0	0
Total for Trex - Virginia Manufacturing	g Operations	0	0	0	0	0	0	0	1	0	0 0	0	1,096

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Facility County/Independent C	`itv			On-Site						agement		Off-Site	Transfers
• • •	•		fı	om Section	5 of Form	R		fro	om Section 8	8 of Form R		from Section	6 of Form R
Facility Name/	Address	Fugitive	Stack	Total			Total On-Site	Energy			Total On-Site		Total Other Off-Site
Chemical Name		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment	Management	POTW	Transfers **
Chemical Ivallie	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
FREDERICK	VALLEY PRO	OTEINS IN	NC-WINCH	ESTER FA	CILITY			1635 INDI	IAN HOLL	OW RD		NAICS Cod	e 311613
CHLORINE DIOXIDE	N	0	0	C	25,393	0	25,393	0		0	0 0	0	0
Total for Valley Proteins Inc-Winches	ter Facility	0	0	0	25,393	0	25,393	0		0	0 0	0	0
Total for Above County: (17 report	s)	62,326	425	62,752	25,393	0	88,145	0		0 150,39	150,392	87,409	90,955
GILES	CELANESE A	CETATE	LLC - CEI	CO P LAN	NT			3520 VIR	GINIA AVE	C		NAICS Cod	e 325220
1,3-BUTADIENE	N	250	250	500	0	0	500	29,416		0	0 29,416	0	0
ACETAMIDE	N	0	0	C	0	250	250	0		0 172,17	8 172,178	0	0
ACETONITRILE	N	3,023	104	3,128	0	47	3,175	20,318		0	0 20,318	0	8
AMMONIA	N	0	27,698	27,698	0	984	28,682	0		0 10,47	3 10,473	0	0
CHLORINE	Y	0	0	C	0	0	0	0		0	0 0	0	0
CYCLOHEXANE	N	79,714	8,912	88,626	0	0	88,626	96,056		0	0 96,056	0	12
DICHLOROMETHANE	N	34,960	0	34,960	0	0	34,960	0		0	0 0	0	278
ETHYLENE	N	3,093	715	3,808	0	0	3,808	703,697		0	0 703,697	0	0
NITRATE COMPOUNDS	N	0	0	C	0	60,181	60,181	0		0	0 0	0	0
Total for Celanese Acetate Llc - Celc	o P Lant	121,040	37,679	158,720	0	61,462	220,181	849,487		0 182,65	1 1,032,138	0	297
GILES	LHOIST NA	OF VIRGI	NIA INC K	IMBALLT	ON AREA	. 1		2093 BIG	STONY CF	REEK RD		NAICS Cod	e 327410
HYDROCHLORIC ACID (1995 AND	A N	0	75,253	75,253	0	0	75,253	0		0	0 0	0	0
Total for Lhoist Na Of Virginia Inc Kin	nballton Area 1	0	75,253	75,253	0	0	75,253	0		0	0 0	0	0
Total for Above County: (10 report	ts)	121,040	112,932	233,973	0	61,462	295,434	849,487		0 182,65	51 1,032,138	0	297
GREENSVILLE	CREATIVE P	LAYTHIN	IGS LTD.					859 INDU	STRIAL D	R		NAICS Cod	e 321999
COPPER COMPOUNDS	N	0	0	C	0	0	0	0		0	0 0	0	0
Total for Creative Playthings Ltd.		0	0	0	0	0	0	0		0	0 0	0	0

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^{**} TOTAL OTHER OFF-SITE TRANSFERS = ALL OF FORM R SECTION 6.2 OFF-SITE TRANSFERS (DISPOSAL + TREATMENT + ENERGY RECOVERY + RECYCLING)

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Facility County/Independent	City			On-Site 1						agement			Transfers
Facility Nam	•		fı	rom Section	5 of Form	R	Total	fro	om Section	8 of Form R	TD 4.1	from Section	n 6 of Form R
Facility Nam	e/Address	Fugitive	Stack	Total			On-Site	Energy			Total On-Site		Total Other
		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment	Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
GREENSVILLE	GEORGIA PA	CIFIC W	OOD PRO	DUCTS LI	LC EMPC	RIA PLYV	VOOD	634 DAVI	S ST			NAICS Co	de 321212
METHANOL	N	3,000	25,000	28,000	0	0	28,000	0		0 12,90	0 12,900	0	0
Total for Georgia Pacific Wood Pro	oducts Llc Empor	3,000	25,000	28,000	0	0	28,000	0		0 12,90	0 12,900	0	0
GREENSVILLE	STEELFAB O	F VIRGIN	NIA INC					1510 REE	SE ST			NAICS Co	de 332312
CHROMIUM	N	146	0	146	0	0	146	0		0	0 0	0	36,848
COPPER	N	218	49	267	0	0	267	0		0	0 0	0	54,997
MANGANESE	N	160	169	329	0	0	329	0		0	0 0	0	40,331
NICKEL	N	255	7	262	0	0	262	0		0	0 0	0	64,346
PROPYLENE	N	35	0	35	0	0	35	0		0	0 0	0	0
XYLENE (MIXED ISOMERS)	N	10,110	0	10,110	0	0	10,110	0		0	0 0	0	0
Total for Steelfab Of Virginia Inc		10,923	225	11,148	0	0	11,148	0		0	0 0	0	196,521
Total for Above County: (8 repor	ts)	13,923	25,225	39,148	0	0	39,148	0		0 12,90	12,900	0	196,521
HALIFAX	ABB INC							2135 PHII	LPOTT RD			NAICS Co	de 335311
CHROMIUM	N	15	0	15	0	0	15	0		0	0 0	0	94,196
COPPER	N	81	0	81	0	0	81	0		0	0 0	2	986,079
MANGANESE	N	142	0	142	0	0	142	0		0	0 0	0	176,726
NICKEL	N	10	0	10	0	0	10	0		0	0 0	0	69,130
Total for Abb Inc		248	0	248	0	0	248	0		0	0 0	2	1,326,131
HALIFAX	AQUATIC CO)						1100 IND	U STRIAL I	PARK RD H	ALIFAX IND	USYANIOS.Co	de 326191
METHYL METHACRYLATE	N	592	7,928	8,520	0	0	8,520	0		0 4	8 48	0	214
STYRENE	N	12,014	143,426	155,440	0	0	155,440	0		0 63	6 636	0	2,071
Total for Aquatic Co		12,606	151,354	163,960	0	0	163,960	0		0 68	4 684	0	2,285

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Facility County/Independent City	ī		On-Site Releases from Section 5 of Form R							agement		Off-Site 7	ransfers
, , ,			f	rom Section	5 of Forn	n R		fr	om Section 8	8 of Form R		from Section	6 of Form R
Facility Name/Ac	ldress	Fugitive	Stack	Total			Total On-Site	Energy			Total	,	Total Other
		Air	Stack Air	1 otai Air	Land	Water	Releases	Recovery	Recycling	Treatment	On-Site Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
HALIFAX C	LOVER PO	WER STA	TION	<u> </u>	<u> </u>	*	-	4091 CLC	VER RD		<u> </u>	NAICS Code	e 221112
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0) ()	0	0 0	0	0
ARSENIC COMPOUNDS	N	0	10	10	19,600	82	19,692	2)	0	0 0	0	1,120
BARIUM COMPOUNDS	N	0	0	0	184,000	1,030	185,030	()	0	0 0	0	10,600
CHROMIUM COMPOUNDS(EXCEPT	N	0	201	201	33,500	22	33,723	3)	0	0 0	0	1,920
COPPER COMPOUNDS	N	0	63	63	37,800	47	37,910	0)	0	0 0	0	2,170
HYDROCHLORIC ACID (1995 AND A	N	0	10,600	10,600	0	0	10,600	()	0 1,490,00	0 1,490,000	0	0
HYDROGEN FLUORIDE	N	0	5,320	5,320	0	0	5,320	()	0 182,00	0 182,000	0	0
MANGANESE COMPOUNDS	N	0	397	397	50,200	3,260	53,857	7)	0	0 0	0	2,880
NAPHTHALENE	Y	0	0	0	0	0	0))	0	0 0	0	0
N-HEXANE	Y	0	0	0	0	0	0))	0	0 0	0	0
NICKEL COMPOUNDS	N	0	206	206	33,400	31	33,637	7)	0	0 0	0	1,910
SULFURIC ACID (1994 AND AFTER "	N	0	179,000	179,000	0	0	179,000	0)	0 348,00	0 348,000	0	0
VANADIUM COMPOUNDS	N	0	128	128	71,300	0	71,428	8)	0	0 0	0	4,090
ZINC COMPOUNDS	N	0	0	0	43,200	424	43,624	()	0	0 0	0	2,480
Total for Clover Power Station		0	195,925	195,925	473,000	4,896	673,821	O	1	0 2,020,00	0 2,020,000	0	27,170
HALIFAX H	UBER ENG	INEERED	WOODS I	LC				1000 CHA	NEY LN			NAICS Code	e 321219
ACETALDEHYDE	N	378	6,352	6,730	0	5	6,735	5)	0 64,99	5 64,995	0	5
ACROLEIN	N	337	13,199	13,536	0	5	13,541)	0 24,18	3 24,183	0	5
DIISOCYANATES	N	5	66	71	0	5	76	6)	0	1 1	0	0
FORMALDEHYDE	N	104	18,497	18,601	0	5	18,606	19,200)	0 185,81	9 205,019	0	5
METHANOL	N	546	40,548	41,094	0	5	41,099))	0 104,53	6 104,536	0	5
PHENOL	N	695	18,621	19,316	0	5	19,321	. ()	0 63,77	3 63,773	0	5
								1				1	

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Facility County/Independent	City		(On-Site 1	Release	S		On-S	ite Man	agement		Off-Site	Transfers
	•		fı	rom Section	5 of Form	R		fro	om Section 8	of Form R		from Sectio	n 6 of Form R
Facility Name	e/Address	T	0. 1	m . 1			Total	Energy			Total		Total Other
		Fugitive Air	Stack Air	Total Air	Land	Water	On-Site Releases	Recovery	Dogwaling	Treatment	On-Site	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	Management (pounds)	(pounds)	(pounds)
Total for Huber Engineered Woods	Llc	2,065	97,283	99,348	0	30	99,378	19,200		0 443,30	4 /	0	25
HALIFAX	VOESTALPIN	NE HIGH	PERFORM	ANCE ME	TALS - SC	OUTH BOS	TON PLA	2306 EAS	TOVER DR	Ł		NAICS Co	de 331222
CHROMIUM	N	0	0	0	0	0	0	0	(0	0 0	0	14,800
COBALT	N	0	0	0	0	0	0	0	() (0 0	0	7,356
METHANOL	N	5	5	10	0	0	10	0	(0	0 0	0	0
Total for Voestalpine High Performa	nce Metals - Sou	5	5	10	0	0	10	0	(0 (0 0	0	22,156
Total for Above County: (29 report	rts)	14,924	444,567	459,492	173,000	4,926	937,418	19,200		0 2,463,99	1 2,483,191	2	1,377,767
HAMPTON (CITY)	HOWMET CA	ASTINGS	& SERVIC	ES INC				ONE HOV	VMET DR			NAICS Co	de 331529
4,4'-ISOPROPYLIDENEDIPHENOL	N	19	19	38	0	0	38	0	(942	2 942	48	95,164
CHROMIUM	N	0	4	4	0	0	4	0	() (0 0	16	5,169
COBALT	N	0	6	6	0	0	6	0	() (0 0	6	4,512
HYDROGEN FLUORIDE	N	0	397	397	0	0	397	0	(36,028	8 36,028	29	76,042
NICKEL	N	0	9	9	0	0	9	0	(0	0 0	38	24,352
NITRIC ACID	N	0	890	890	0	0	890	0	(0 1,288	8 1,288	0	49,470
Total for Howmet Castings & Service	es Inc	19	1,325	1,344	0	0	1,344	0	(0 38,25	8 38,258	137	254,709
HAMPTON (CITY)	TIDEWATER	WOOD P	RODUCTS	, LLC				5604 CITY	LINE RD			NAICS Co	de 321114
COPPER COMPOUNDS	Y	0	0	0	0	0	0	0	(0	0 0	0	0
Total for Tidewater Wood Products,	Llc	0	0	0	0	0	0	0	(0 (0 0	0	0
HAMPTON (CITY)	US DOD USA	F JOINT I	BASE LANG	GLEY EUS	TIS - LAN	GLEY AFI	В	633 CES/C	CEIE 37 SW	EENEY BL	VD	NAICS Co	de 928110
ETHYLBENZENE	N	37	11	48	0	0	48	0	(0	0 0	0	0
NAPHTHALENE	N	130	82	212	0	0	212	0	(0	0 0	0	0
Total for Us Dod Usaf Joint Base La	ngley Eustis - La	167	93	260	0	0	260	0	(0 (0 0	0	0

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Facility Name/Address Fugitive Stack Air Air	Total Air	5 of Form Land (pounds)	R Water	Total On-Site Releases	Energy	m Section 8	of Form R	Total	from Section	6 of Form R Total Other
Chemical Name Fugitive Stack Air Air	Air oounds)		Water	On-Site	Energy			Total		Total Other
Chemical Name Air Air	Air oounds)		Water		Energy			On-Site		
Chemical Name	oounds)		***************************************		Recovery	Recycling	Treatment	On-Site Management	POTW	Off-Site Transfers **
	1,604		(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
Total for Above County: (9 reports) 186 1,418		0	0	1,604	0		38,25	8 38,258	137	254,709
HANOVER CHEMTREAT INC					10040 LIC	KINGHOL	E RD		NAICS Cod	le 325998
SODIUM NITRITE N 0 0	0	0	0	0	0	C) (0	0	2,434
ZINC COMPOUNDS N 0 0	0	0	0	0	0	C) (0	0	0
Total for Chemtreat Inc 0 0	0	0	0	0	0	C) (0	0	2,434
HANOVER COMMONWEALTH GALVANIZING	ì				10988 LEA	ADBETTER	RD		NAICS Cod	le 332812
ZINC COMPOUNDS N 0 0	0	0	14	14	0	0) (0	53	34,486
Total for Commonwealth Galvanizing 0 0	0	0	14	14	0	C) (0	53	34,486
HANOVER DOSWELL LP					10098 OLI	D RIDGE R	D		NAICS Cod	le 221112
1,2,4-TRIMETHYLBENZENE N 5 167,358	167,363	0	0	167,363	0	0) (0	0	0
AMMONIA N 5 325,706	325,711	0	0	325,711	0	0) (0	0	0
NAPHTHALENE N 5 92,047	92,052	0	0	92,052	0	0) (0	0	0
N-HEXANE N 5 167,358	167,363	0	0	167,363	0	C) (0	0	0
Total for Doswell Lp 20 752,469	752,489	0	0	752,489	0	C) (0	0	0
HANOVER PUGH LUBRICANTS ASHLAND					10992 LEA	ADBETTER	RD		NAICS Cod	le 424710
NAPHTHALENE Y 0 0	0	0	0	0	0	C) (0	0	0
XYLENE (MIXED ISOMERS) $Y = 0$ 0	0	0	0	0	0	C) (0	0	0
ZINC COMPOUNDS $\qquad \qquad \qquad$	0	0	0	0	0	C) (0	0	0
Total for Pugh Lubricants Ashland 0 0	0	0	0	0	0	C) (0	0	0
HANOVER SOUTH ATLANTIC GALVANIZING	LLC				11022 LEV	WISTOWN	RD		NAICS Cod	le 332812
ZINC COMPOUNDS N 4,902 0	4,902	0	91	4,993	0	0) (0	0	248,586
Total for South Atlantic Galvanizing Llc 4,902 0	4,902	0	91	4,993	0	C) (0	0	248,586

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^{**} TOTAL OTHER OFF-SITE TRANSFERS = ALL OF FORM R SECTION 6.2 OFF-SITE TRANSFERS (DISPOSAL + TREATMENT + ENERGY RECOVERY + RECYCLING)

^{***} BAE SYSTEMS, ORDINANCE SYSTEMS INC. AND RADFORD ARMY AMMUNITION ARE THE SAME FACILITY, REPORTING UNDER TWO SEPERATE IDSTHE SUMMARY REPORT REFLECTS ONLY ONE SET OF DATA VALUES FOR TOTALS.

Facility County/Independent	City		On-Site Releases from Section 5 of Form R							agement	;	Off-Site 7	
Facility Name	•		fi	om Section	5 of Form	ı K	Total	fr	om Section	8 of Form R	Takal	from Section	
racinty Ivani	CAddiess	Fugitive	Stack	Total			On-Site	Energy			Total On-Site		Total Other Off-Site
Chemical Name		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment	Management	POTW	Transfers **
Chemical Ivallie	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
HANOVER	TYSON FARM	MS INC	PROCESSI	NG FACIL	ITY			13264 MC	OUNTAIN I	RD		NAICS Code	e 311615
AMMONIA	N	15,193	266	15,459	0	0	15,459	()	0 11,56	52 11,562	0	0
NITRATE COMPOUNDS	N	0	0	0	0	38,361	38,361	()	0 476,27	476,278	0	0
PERACETIC ACID	N	20	0	20	0	0	20	()	0 318,40	318,406	0	0
Total for Tyson Farms Inc Proces	sing Facility	15,213	266	15,479	0	38,361	53,840	O)	0 806,24	806,246	0	0
Total for Above County: (14 repo	orts)	20,135	752,735	772,870	0	38,467	811,336	o o)	0 806,24	46 806,246	53	285,506
HARRISONBURG (CITY)	CARGILL TU	RKEY PE	RODUCTIO	N LLC				1 KRATZ	ER AVE			NAICS Code	e 311119
COPPER COMPOUNDS	Y	0	0	0	0	0	0))	0	0 0	0	0
MANGANESE COMPOUNDS	Y	0	0	0	0	0	0	0)	0	0 0	0	0
ZINC COMPOUNDS	Y	0	0	0	0	0	0	()	0	0 0	0	0
Total for Cargill Turkey Production I	Llc	0	0	0	0	0	0	O)	0	0 0	0	0
HARRISONBURG (CITY)	GEORGE'S F	OODS LL	C FEED M	ILL				61 KRAT	ZER RD			NAICS Cod	e 311119
COPPER COMPOUNDS	Y	0	0	0	0	0	0	0)	0	0 0	0	0
MANGANESE COMPOUNDS	Y	0	0	0	0	0	0	0)	0	0 0	0	0
ZINC COMPOUNDS	Y	0	0	0	0	0	0	()	0	0 0	0	0
Total for George'S Foods Llc Feed	Mill	0	0	0	0	0	0	O)	0	0 0	0	0
HARRISONBURG (CITY)	PILGRIM'S P	PRIDE CO	RP HARRI	SONBURG	FEEDMI	LL		590 MT C	CLINTON P	IKE		NAICS Code	e 311119
COPPER COMPOUNDS	Y	0	0	0	0	0	0	()	0	0 0	0	0
MANGANESE COMPOUNDS	Y	0	0	0	0	0	0	()	0	0 0	0	0
ZINC COMPOUNDS	Y	0	0	0	0	0	0))	0	0 0	0	0
Total for Pilgrim'S Pride Corp Harris	sonburg Feedmill	0	0	0	0	0	0	O)	0	0 0	0	0
HARRISONBURG (CITY)	QUARLES PE	ETROLEU	M INC HA	RRISONBU	URG BUL	K PLANT		1006 W M	IARKET S	Γ		NAICS Code	e 424710

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Facility County/Independent	City			On-Site						nagemen			Transfers
Facility Nam	•		fı	rom Section	5 of Form	R	T. 4.1	fr	om Section	8 of Form R		from Section	on 6 of Form R
Facility Nam	ie/Auuress	Fugitive	Stack	Total			Total On-Site	Energy			Total On-Site		Total Other
Chemical Name		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment		POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	()	0	0 0	0	0
BENZENE	Y	0	0	0	0	0	0	()	0	0 0	0	0
ETHYLBENZENE	Y	0	0	0	0	0	0	()	0	0 0	0	0
N-HEXANE	Y	0	0	0	0	0	0	()	0	0 0	0	0
TOLUENE	Y	0	0	0	0	0	0	C)	0	0 0	0	0
XYLENE (MIXED ISOMERS)	Y	0	0	0	0	0	0	C)	0	0 0	0	0
Total for Quarles Petroleum Inc Ha	rrisonburg Bulk Pl	0	0	0	0	0	0	O)	0	0 0	0	0
HARRISONBURG (CITY)	TENNECO W	ALKER M	IANUFAC	TURING C	O			3160 ABB	BOTT LN			NAICS Co	ode 336390
CHROMIUM	N	0	4	4	. 0	0	4)	0	0 0	0	246,746
COBALT	N	0	4	4	. 0	0	4)	0	0 0	0	13,048
COPPER	N	0	0	0	0	0	0	()	0	0 0	0	52,247
MANGANESE	N	0	1,374	1,374	. 0	0	1,374	. ()	0	0 0	0	215,766
NICKEL	N	0	4	4	. 0	0	4	. ()	0	0 0	0	140,552
Total for Tenneco Walker Manufac	turing Co	0	1,387	1,387	0	0	1,387	0)	0	0 0	0	668,359
Total for Above County: (20 repo	orts)	0	1,387	1,387	0	0	1,387	O)	0	0 0	0	668,359
HENRICO	ENNIS-FLINT	Γ RICHM(OND					4400 VAV	VTER AVE	2		NAICS Co	ode 325510
CERTAIN GLYCOL ETHERS	N	0	64	64	. 0	0	64)	0	0 0	0	0
METHANOL	N	0	9,854	9,854	. 0	0	9,854)	0	0 0	0	0
Total for Ennis-Flint Richmond		0	9,918	9,918	0	0	9,918	O)	0	0 0	0	0
HENRICO	IR ENGRAVI	NG LLC						5901 LEV	VIS RD			NAICS Co	ode 323111
COPPER	N	1	1	2	0	0	2	()	0	0 0	1	7,492
NITRIC ACID	N	0	1,011	1,011	0	0	1,011	()	0	0 0	0	3,269
								•				•	

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Facility County/Independent	City		On-Site Releases from Section 5 of Form R					On-S	Site Man	agemen	t	Off-Site 7	Transfers
	•		fı	rom Section	5 of Form	ı R		fr	om Section	8 of Form R		from Section	6 of Form R
Facility Nam	ie/Address	5	G. 1	70. 4. 1			Total	Energy			Total		Total Other
		Fugitive Air	Stack Air	Total Air	Land	Water	On-Site Releases	Recovery	Docveling	Treatment	On-Site Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
Total for Ir Engraving Llc		1	1,012	1,013	0	0	1,013	3 ()	0	0 0	1	10,761
HENRICO	JOHNS MAN	VILLE CO	ORP HAMI	LTON PLA	NT			7400 RAN	NCO RD			NAICS Cod	e 322220
ANTIMONY COMPOUNDS	N	0	0	0	0	0	C) ()	0	0 0	0	1,247
Total for Johns Manville Corp Ham	ilton Plant	0	0	0	0	0	0) c)	0	0 0	0	1,247
HENRICO	MECHANICS	VILLE CO	ONCRETE	LLC-AIRP	ORT PLA	NT (OAKI	LEYS LA	4481 OAH	KLEYS LN			NAICS Cod	e 327320
NITRATE COMPOUNDS	N	0	0	0	0	28	28	8)	0	0 0	0	0
Total for Mechanicsville Concrete I	_lc-Airport Plant (O	0	0	0	0	28	28	s c)	0	0 0	0	0
HENRICO	SOUTHERN (GRAPHIC	SYSTEMS	LLC				5301 LEV	VIS RD			NAICS Cod	e 323120
COPPER COMPOUNDS	N	25	221	245	0	0	245	5)	0	0 0	0	46,275
Total for Southern Graphic System	s Llc	25	221	245	0	0	245	; c)	0	0 0	0	46,275
Total for Above County: (7 repo	rts)	26	11,151	11,176	0	28	11,205	i c)	0	0 0	1	58,283
HENRY	BASSETT PL	ANT 11						PATRIO	Γ CENTRE	AT BEAVE	R CREEK	NAICS Cod	e 337122
N-BUTYL ALCOHOL	N	0	10,803	10,803	0	0	10,803	3)	0	0 0	0	10,803
TOLUENE	N	0	14,275	14,275	0	0	14,275	5)	0	0 0	0	14,275
Total for Bassett Plant 11		0	25,078	25,078	0	0	25,078	3 0)	0	0 0	0	25,078
HENRY	CPFILMS - Pl	LANT II						4129 THE	E GREAT R	a D		NAICS Cod	e 326130
ACRYLIC ACID	N	38	765	803	0	0	803	3)	0 46,20	00 46,200	0	3,500
ETHYLENE GLYCOL	N	230,000	5,200	235,200	0	0	235,200) ()	0 677,00	00 677,000	75,900	214,440
METHYL ISOBUTYL KETONE	N	64	1,290	1,354	0	0	1,354	()	0 37,90	37,900	0	7,750
N-HEXANE	N	65	1,300	1,365	0	0	1,365	5)	0 105,00	00 105,000	0	120
N-METHYL-2-PYRROLIDONE	N	224,000	633	224,633	0	0	224,633	3)	0 530,00	530,000	23,100	486,250
TOLUENE	N	406	8,120	8,526	0	0	8,526	5)	0 393,00	393,000	0	43,620

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Facility County/Independent	City		(On-Site 1	Release	S		On-S	ite Man	agement		Off-Site	Transfers
	•		fı	om Section	5 of Form	R		fro	om Section 8	of Form R		from Section	n 6 of Form R
Facility Nam	e/Address	Fugitive	Stack	Total			Total On-Site	Energy			Total On-Site		Total Other
Chemical Name		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment	Management	POTW	Off-Site Transfers **
Chemicai Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
Total for Cpfilms - Plant li		454,573	17,308	471,881	0	0	471,881	0	(1,789,100	1,789,100	99,000	755,680
HENRY	CPFILMS, IN	C.						345 BEAV	ER CREEK	K DR		NAICS Co	de 326112
DIISOCYANATES	N	0	0	0	0	0	0	0	() (0	0	7,743
ETHYLENE GLYCOL	N	5	1,841	1,846	0	0	1,846	0	1,418,176	108,520	1,526,696	9,495	54,286
N-HEXANE	N	5	639	644	0	0	644	0	(67,060	67,060	0	7,720
N-METHYL-2-PYRROLIDONE	N	5	30	35	0	0	35	0	(177,989	177,989	2,605	182,112
TOLUENE	N	5	5,915	5,920	0	0	5,920	0	(585,565	585,565	0	50,604
Total for Cpfilms, Inc.		20	8,425	8,445	0	0	8,445	0	1,418,176	939,134	2,357,310	12,100	302,465
HENRY	EASTMAN PI	ERFORM	ANCE FILE	MS, LLC-A	XTON FA	CILITY		47 BRENI	DA DR			NAICS Co	de 326130
ETHYLENE GLYCOL	N	1	140	141	0	0	141	0	() (0	0	7,300
Total for Eastman Performance Film	ns, Llc-Axton Faci	1	140	141	0	0	141	0	() (0	0	7,300
HENRY	EASTMAN PI	ERFORM	ANCE FILE	MS, LLC-Pl	LANT 1			4210 THE	GREAT RI	D		NAICS Co	de 326130
TOLUENE	N	122	2,450	2,572	0	0	2,572	0	(118,000	118,000	0	35,819
Total for Eastman Performance Filr	ns, Llc-Plant 1	122	2,450	2,572	0	0	2,572	0	(118,000	118,000	0	35,819
HENRY	MEHLER EN	GINEERE	ED PRODU	CTS				175 MEH	LER LN			NAICS Co	de 314994
DIISOCYANATES	N	0	0	0	0	0	0	0	() (0	0	740
TOLUENE	N	290	7	297	0	0	297	726,618	() (726,618	0	13,468
XYLENE (MIXED ISOMERS)	N	5	1	6	0	0	6	23,800	() (23,800	0	229
Total for Mehler Engineered Produc	ots	295	8	303	0	0	303	750,418	() (750,418	0	14,437
HENRY	RTI MARTIN	SVILLE I	NC					101 RTI V	VAY			NAICS Co	de 332112
ALUMINUM (FUME OR DUST)	N	16	1,574	1,590	0	0	1,590	0	() (0	0	75,863
NICKEL	N	0	0	0	0	0	0	0	() (0	0	171
								I				l	

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Facility County/Independent Ci	ty			On-Site I					ite Mana m Section 8	agement			Transfers
Facility Name/A	Address	Fugitive	Stack	rom Section Total	5 01 FORM	K	Total On-Site	Energy	om Section 8	OI FORM K	Total On-Site	from Section	on 6 of Form R Total Other Off-Site
Chemical Name	form A*	Air (pounds)	Air (pounds)	Air (pounds)	Land (pounds)	Water (pounds)	Releases (pounds)	Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Management (pounds)	POTW (pounds)	Transfers ** (pounds)
Total for Rti Martinsville Inc		16	1,574	1,590	0	0	1,590	0	0	0	0	0	76,034
Total for Above County: (20 reports	s)	455,027	54,983	510,010	0	0	510,010	750,418	1,418,176	2,846,234	5,014,828	111,100	1,216,813
HOPEWELL (CITY)	ADVANSIX II	NC HOPE	WELL PLA	ANT				905 E RAN	NDOLPH R	D		NAICS Co	ode 325199
ACETALDEHYDE	N	578	679	1,257	0	0	1,257	0	0	426,217	426,217	0	1,700
AMMONIA	N	7,117	1,120,429	1,127,546	0	23,323	1,150,869	0	0	0	0	103,829	62,322
BENZENE	N	240	7,656	7,896	0	680	8,576	0	73,870	178,589	252,459	252	240
COPPER COMPOUNDS	N	0	0	0	0	3,510	3,510	0	0	0	0	138	3,546
CYCLOHEXANOL	N	708	2,979	3,687	0	30,603	34,290	0	0	22,019	22,019	33,284	30,288
METHANOL	N	453	11,784	12,237	0	0	12,237	1,061,164	0	0	1,061,164	17,101	16,210
NITRATE COMPOUNDS	N	0	3,070	3,070	0	42,523	45,593	0	0	0	0	378,584	340,726
PHENOL	N	1,241	20,451	21,692	0	765	22,457	0	0	45,257	45,257	10,654	940,540
SULFURIC ACID (1994 AND AFTER	" N	6,373	42,807	49,180	0	0	49,180	0	1,546,613	0	1,546,613	0	0
TOLUENE	N	1,088	9,680	10,768	0	665	11,433	0	64,560	205,520	270,080	84	1,656
ZINC COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	4,386
Total for Advansix Inc Hopewell Plant		17,798	1,219,535	1,237,333	0	102,069	1,339,402	1,061,164	1,685,043	877,602	3,623,809	543,926	1,401,614
HOPEWELL (CITY)	ASHLAND SP	PECIALTY	INGREDI	ENTS GP				1111 HER	CULES RD	-		NAICS Co	ode 325199
CERTAIN GLYCOL ETHERS	N	12	0	12	0	0	12	0	0	0	0	0	262,317
CHLOROACETIC ACID	N	858	2	860	0	0	860	0	0	0	0	0	0
CHLOROETHANE	N	80,876	1,816	82,692	0	0	82,692	0	76,837	0	76,837	0	1
ETHYLENE	N	5,633	59,374	65,007	0	0	65,007	0	0	0	0	0	0
ETHYLENE GLYCOL	N	94	0	94	0	0	94	0	0	0	0	2,305,353	2,176,232
ETHYLENE OXIDE	N	992	76	1,068	0	0	1,068	0	0	0	0	1,189	1,082

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Fugitive Stack Total On-Site Energy On-Site O	Other f-Site asfers ** ounds)
Fugitive Stack Total On-Site Energy On-Site O	f-Site sfers ** ounds)
on site	ounds)
Chemical Name Air Air Air Land Water Releases Recovery Recycling Treatment Management POTW Tra	ounds)
Chemical Name	
METHANOL N 129,199 2,556 131,755 0 0 131,755 0 82,332,942 0 82,332,942 440,042 43	,837
NITRATE COMPOUNDS N 0 0 0 0 0 0 0 0 0 0 6,261,096 6,00	,125
NITRIC ACID N 2,397 5 2,402 0 0 2,402 0 0 0 0 0	0
PROPYLENE OXIDE N 2,772 131 2,903 0 0 2,903 0 0 73 73 493	449
TERT-BUTYL ALCOHOL N 95,164 4,903 100,067 0 0 100,067 0 172,622,274 0 172,622,274 87,833 9	,281
Total for Ashland Specialty Ingredients Gp 317,997 68,863 386,860 0 0 386,860 0 255,032,053 73 255,032,126 9,096,006 8,976	324
HOPEWELL (CITY)EVONIK INDUSTRIES914 E RANDOLPH RDNAICS Code	325613
ACRYLIC ACID N 0 812 812 0 0 812 0 0 0 208	630
ALLYL ALCOHOL N 27 128 155 0 0 155 0 0 2,563 2,563 0	0
CHLOROACETIC ACID N 5 252 257 0 0 257 0 0 5,046 5,046 0	0
ETHYLENE GLYCOL N 3 467 470 0 0 470 0 0 0 0 8,043	0
ETHYLENE OXIDE N 56 18 74 0 0 74 0 0 18,304 18,304 0	0
N-BUTYL ALCOHOL N 4 14 18 0 0 18 0 0 272 272 0	,778
PROPYLENE OXIDE N 50 18 69 0 0 69 0 0 18,304 18,304 0	0
Total for Evonik Industries 145 1,710 1,855 0 0 1,855 0 0 44,489 44,489 8,251 6	408
HOPEWELL (CITY)WESTROCK CP LLC910 INDUSTRIAL STNAICS Code	322130
BARIUM COMPOUNDS N 0 664 664 0 0 664 0 0 0 0 0 0 1	,756
CATECHOL N 0 0 0 0 0 0 0 0 0 0 455	419
FORMALDEHYDE N 0 6,263 6,263 0 0 6,263 0 0 23,195 23,195 6,749	,209
HYDROCHLORIC ACID (1995 AND A N 0 34,650 34,650 0 0 34,650 0 0 0 0 0	0
MANGANESE COMPOUNDS N 0 131 131 0 0 131 0 0 0 0 28,770 12	,472
METHANOL N 0 358,176 358,176 0 0 358,176 0 0 139,044 139,044 4,283,939 3,94	,224
PHENOL N 0 7,024 7,024 0 0 7,024 0 0 40,032 40,032 6,633	,103

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^{**} TOTAL OTHER OFF-SITE TRANSFERS = ALL OF FORM R SECTION 6.2 OFF-SITE TRANSFERS (DISPOSAL + TREATMENT + ENERGY RECOVERY + RECYCLING)

^{***} BAE SYSTEMS, ORDINANCE SYSTEMS INC. AND RADFORD ARMY AMMUNITION ARE THE SAME FACILITY, REPORTING UNDER TWO SEPERATE IDSTHE SUMMARY REPORT REFLECTS ONLY ONE SET OF DATA VALUES FOR TOTALS.

Facility County/Independent City			On-Site I						agement			Transfers	
Facility Name/A	•		fì	rom Section	5 of Form	R	Total	fr	om Section 8	of Form R	Total	from Section	on 6 of Form R Total Other
		Fugitive	Stack	Total			On-Site	Energy			On-Site		Off-Site
Chemical Name	£0 A+	Air	Air	Air	Land	Water	Releases	Recovery		Treatment	Management	POTW	Transfers **
	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
Total for Westrock Cp Llc		0	406,908	406,908	0	0	406,908			202,27	1 202,271	4,326,546	4,096,182
HOPEWELL (CITY)	VESTROCK	CP, LLC						910 INDU	STRIAL ST			NAICS C	ode 322130
ACETALDEHYDE	N	0	13,732	13,732	0	0	13,732	() (27,982	27,982	0	88,360
AMMONIA	N	0	64,828	64,828	0	0	64,828	() () (0	0	4,350
CRESOL (MIXED ISOMERS)	N	0	18,045	18,045	0	0	18,045	() (6,421	6,421	0	596
HYDROGEN SULFIDE	N	0	25,191	25,191	0	0	25,191	() (53,116	53,116	81,918	81,918
Total for Westrock Cp, Llc		0	121,796	121,796	0	0	121,796	C) (87,520	0 87,520	81,918	175,225
Total for Above County: (40 reports))	335,940	1,818,812	2,154,752	0	102,069	2,256,821	1,061,164	256,717,09	6 1,211,95	5 258,990,215	14,056,647	14,655,753
ISLE OF WIGHT	NTERNATIO	ONAL PAP	PER FRANI	KLIN MILI				34040 UN	ION CAMP	DR		NAICS Co	ode 322110
ACETALDEHYDE	N	6,127	18,372	24,499	0	411	24,910	() (39,759	39,759	0	5
AMMONIA	N	0	102,681	102,681	0	694	103,375	() (150,393	3 150,393	0	12
BARIUM COMPOUNDS	N	0	19	19	0	497	516	() () (0 0	0	3,687
CATECHOL	N	0	0	0	0	42	42	() (816	6 816	0	1
CHLORINE	N	5	7,365	7,370	0	0	7,370	() (199,058	199,058	0	0
CHLORINE DIOXIDE	N	5	1,597	1,602	0	0	1,602	() (8,550,403	8,550,403	0	0
CRESOL (MIXED ISOMERS)	N	12,398	2,319	14,717	0	6	14,723	() (8,589	9 8,589	0	3
FORMALDEHYDE	N	712	7,384	8,096	0	1,211	9,307	() (32,049	32,049	0	14
FORMIC ACID	N	0	0	0	0	84	84	() () (0 0	0	0
HYDROCHLORIC ACID (1995 AND A	N	0	83,135	83,135	0	0	83,135	() () (0 0	0	0
HYDROGEN SULFIDE	N	92,191	43,688	135,879	0	185	136,064	() (508,835	5 508,835	0	346
MANGANESE COMPOUNDS	N	0	52	52	0	6,683	6,735	() () (0 0	0	39,192
METHANOL	N	267,915	408,380	676,295	0	0	676,295	() (6,441,899	6,441,899	0	4,798

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^{**} TOTAL OTHER OFF-SITE TRANSFERS = ALL OF FORM R SECTION 6.2 OFF-SITE TRANSFERS (DISPOSAL + TREATMENT + ENERGY RECOVERY + RECYCLING)

^{***} BAE SYSTEMS, ORDINANCE SYSTEMS INC. AND RADFORD ARMY AMMUNITION ARE THE SAME FACILITY, REPORTING UNDER TWO SEPERATE IDSTHE SUMMARY REPORT REFLECTS ONLY ONE SET OF DATA VALUES FOR TOTALS.

Facility County/Independent (City			On-Site 1						agement		Off-Site	Transfers
· · · ·	•		fı	om Section	5 of Form	R		fr	om Section	8 of Form R		from Section	n 6 of Form R
Facility Name	Aduress	Fugitive	Stack	Total			Total On-Site	Energy			Total On-Site		Total Other
a		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment	Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
NITRATE COMPOUNDS	N	0	0	0	0	7,068	7,068	()	0	0 0	0	18
PHENOL	N	560	14,380	14,940	0	6	14,946	C)	0 2,60	6 2,606	0	4
Total for International Paper Franklin	n Mill	379,913	689,372	1,069,285	0	16,887	1,086,172	O)	0 15,934,40	7 15,934,407	0	48,080
ISLE OF WIGHT	SMITHFIELD	FRESH N	MEATS CO	RP SMITH	IFIELD, V	'A FACILI'	TY	601 N CH	URCH ST			NAICS Co	ode 311612
AMMONIA	N	12,255	233	12,488	0	120	12,608	()	0	0 0	13,917	13,956
HYDROGEN SULFIDE	N	135,911	156	136,067	0	0	136,067	()	0	0 0	6,796	24
NITRATE COMPOUNDS	N	0	0	0	0	750	750	()	0	0 0	2,880,005	1,365,571
SODIUM NITRITE	Y	0	0	0	0	0	0	()	0	0 0	0	0
Total for Smithfield Fresh Meats Cor	p Smithfield, Va	148,166	389	148,555	0	870	149,425	O)	0	0 0	2,900,718	1,379,551
Total for Above County: (19 repor	ts)	528,079	689,761	1,217,840	0	17,757	1,235,597	O)	0 15,934,40	7 15,934,407	2,900,718	1,427,631
JAMES CITY	ANHEUSER-I	BUSCH LI	LC					7801 POC	CAHONTAS	TRAIL		NAICS Co	ode 312120
AMMONIA	N	8,231	10,811	19,042	0	0	19,042	()	0	0 0	0	819
Total for Anheuser-Busch Llc		8,231	10,811	19,042	0	0	19,042	O)	0	0 0	0	819
JAMES CITY	BALL META	L BEVER	AGE CONT	CAINER CO	ORP			8935 POC	CAHONTAS	TRAIL JAN	MES RIVER	COMMUERCO	ode 332431
CERTAIN GLYCOL ETHERS	N	64,000	310,000	374,000	0	0	374,000	()	0	0 0	0	588
N-BUTYL ALCOHOL	N	39,000	180,000	219,000	0	0	219,000	()	0	0 0	0	243
SULFURIC ACID (1994 AND AFTE	R" Y	0	0	0	0	0	0	()	0	0 0	0	0
Total for Ball Metal Beverage Contai	ner Corp	103,000	490,000	593,000	0	0	593,000	O)	0	0 0	0	831
JAMES CITY	GREYSTONE	OF VIRG	INIA INC					7992 RIC	HMOND R	D		NAICS Co	de 332813
CHROMIUM COMPOUNDS(EXCE	PT N	0	1	1	0	0	1	()	0	0 0	40	17,067
Total for Greystone Of Virginia Inc		0	1	1	0	0	1	O)	0	0 0	40	17,067
Total for Above County: (5 reports	s)	111,231	500,812	612,043	0	0	612,043	O)	0	0 0	40	18,716

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^{**} TOTAL OTHER OFF-SITE TRANSFERS = ALL OF FORM R SECTION 6.2 OFF-SITE TRANSFERS (DISPOSAL + TREATMENT + ENERGY RECOVERY + RECYCLING)

^{***} BAE SYSTEMS, ORDINANCE SYSTEMS INC. AND RADFORD ARMY AMMUNITION ARE THE SAME FACILITY, REPORTING UNDER TWO SEPERATE IDSTHE SUMMARY REPORT REFLECTS ONLY ONE SET OF DATA VALUES FOR TOTALS.

Facility County/Independent Ci	t		(On-Site 1	Release	S		On-S	Site Man	agement		Off-Site	Transfers
• • •	•		fı	rom Section	5 of Form	R		fr	om Section 8	3 of Form R		from Section	6 of Form R
Facility Name/	Address	F	G. I	TD 4.1			Total	Energy			Total		Total Other
		Fugitive Air	Stack Air	Total Air	Land	Water	On-Site Releases	Recovery	Recycling	Treatment	On-Site	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	Management (pounds)	(pounds)	(pounds)
KING GEORGE	BIRCHWOOI	D POWER	FACILITY	7			-	10900 BII	RCHWOOD	DR	*	NAICS Coo	le 221112
AMMONIA	N	109	230	339	0	0	339	()	0 336,94	1 336,941	0	2,027
BARIUM COMPOUNDS	N	1	11	12	0	0	12	()	0	0 0	0	43,200
HYDROCHLORIC ACID (1995 AND A	A N	0	5,733	5,733	0	0	5,733	()	0 531,452	2 531,452	0	0
HYDROGEN FLUORIDE	N	0	387	387	0	0	387	()	0 32,72	32,725	0	0
SULFURIC ACID (1994 AND AFTER	" N	0	809	809	0	0	809	()	0 178,71	178,714	0	0
Total for Birchwood Power Facility		110	7,170	7,280	0	0	7,280	O)	0 1,079,83	2 1,079,832	0	45,227
KING GEORGE	CMC REBAR	VA KINO	G GEORGE					10924 DE	NNIS W KE	ERNS PKWY	7	NAICS Coo	le 332312
NICKEL COMPOUNDS	Y	0	0	0	0	0	0	()	0	0	0	0
Total for Cmc Rebar Va King George		0	0	0	0	0	0	0)	0	0 0	0	0
Total for Above County: (6 reports)		110	7,170	7,280	0	0	7,280	O)	0 1,079,83	2 1,079,832	0	45,227
KING WILLIAM	WESTROCK	CP, LLC						1901 MAI	IN ST			NAICS Coo	le 322110
ACETALDEHYDE	N	493	29,318	29,811	0	1,470	31,281	()	0 30,222	2 30,222	0	1
AMMONIA	N	241	126,078	126,319	0	832	127,151	()	0 274,589	9 274,589	0	0
BARIUM COMPOUNDS	N	0	687	687	0	0	687	()	0	0 0	0	24,728
CATECHOL	N	0	0	0	0	4	4	. ()	0 404	404	0	0
CHLORINE	N	5	14	19	0	0	19	()	0 1,384	1,384	0	0
CHLORINE DIOXIDE	N	5	66	71	0	0	71	()	0 6,572	2 6,572	0	0
CRESOL (MIXED ISOMERS)	N	14	76	90	0	4	93	()	0 15,32	3 15,328	0	0
FORMALDEHYDE	N	60	7,519	7,579	0	628	8,207	()	0 16,78	7 16,787	0	1
FORMIC ACID	N	0	0	0	0	1,187	1,187	()	0	0	0	0
HYDROCHLORIC ACID (1995 AND A	A N	0	48,065	48,065	0	0	48,065	()	0 419	9 419	0	0

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^{***} BAE SYSTEMS, ORDINANCE SYSTEMS INC. AND RADFORD ARMY AMMUNITION ARE THE SAME FACILITY, REPORTING UNDER TWO SEPERATE IDSTHE SUMMARY REPORT REFLECTS ONLY ONE SET OF DATA VALUES FOR TOTALS.

2018 Toxics Release Inventory

Facility County/Independent City	ī		(On-Site 1	Release	S		On-S	Site Man	agement		Off-Site	Transfers
· · ·			fi	rom Section	5 of Form	R		fr	om Section 8	8 of Form R		from Section	on 6 of Form R
Facility Name/Ac	laress	E	Stack	T-4-1			Total On-Site	Energy			Total		Total Other
		Fugitive Air	Stack Air	Total Air	Land	Water	Releases	Recovery	Recycling	Treatment	On-Site Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
HYDROGEN SULFIDE	N	4,994	48,351	53,345	0	186	53,532	()	0 229,69	7 229,697	0	18
MANGANESE COMPOUNDS	N	0	333	333	0	44,553	44,886	()	0	0 0	0	119,617
METHANOL	N	131,882	303,935	435,817	0	8,122	443,939	()	0 8,107,89	8 8,107,898	0	144
PHENOL	N	170	14,818	14,988	0	1,851	16,839	()	0 8,37	8 8,378	0	2
ZINC COMPOUNDS	N	0	313	313	0	529	841	()	0	0 0	0	19,149
Total for Westrock Cp, Llc		137,864	579,571	717,435	0	59,365	776,801	O)	0 8,691,67	8 8,691,678	0	163,660
Total for Above County: (15 reports)		137,864	579,571	717,435	0	59,365	776,801	0)	0 8,691,67	8 8,691,678	0	163,660
LOUDOUN C	HANTILLY	READY N	MIX CONC	RETE				25232 WI	LLARD RO	OAD		NAICS Co	ode 327320
NITRATE COMPOUNDS	Y	0	0	0	0	0	0	()	0	0 0	0	0
Total for Chantilly Ready Mix Concrete		0	0	0	0	0	0	o)	0	0 0	0	0
LOUDOUN M	IENZIES AV	IATION I	FUELING (OPERATIO	NS WASI	I DULLES	INTERN	TANK FA	ARM RD BU	JILDING 2		NAICS Co	ode 424710
1,2,4-TRIMETHYLBENZENE	N	118	0	118	0	0	118	()	0	0 0	0	0
ARSENIC	N	1	0	1	0	0	1	()	0	0 0	0	0
BENZENE	N	76	0	76	0	0	76	()	0	0 0	0	0
BERYLLIUM	N	0	0	0	0	0	0	()	0	0 0	0	0
CADMIUM	N	0	0	0	0	0	0	()	0	0 0	0	0
CHROMIUM	N	1	0	1	0	0	1	()	0	0 0	0	0
ETHYLBENZENE	N	76	0	76	0	0	76	()	0	0 0	0	0
METHYL TERT-BUTYL ETHER	N	708	0	708	0	0	708	()	0	0 0	0	0
NAPHTHALENE	N	175	0	175	0	0	175	(7,72	5	0 7,725	0	1,821
N-HEXANE	N	47	0	47	0	0	47	()	0	0 0	0	0
TOLUENE	N	341	0	341	0	0	341	()	0	0 0	0	0

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Appendix F

^{**} TOTAL OTHER OFF-SITE TRANSFERS = ALL OF FORM R SECTION 6.2 OFF-SITE TRANSFERS (DISPOSAL + TREATMENT + ENERGY RECOVERY + RECYCLING)

^{***} BAE SYSTEMS, ORDINANCE SYSTEMS INC. AND RADFORD ARMY AMMUNITION ARE THE SAME FACILITY, REPORTING UNDER TWO SEPERATE IDSTHE SUMMARY REPORT REFLECTS ONLY ONE SET OF DATA VALUES FOR TOTALS.

Facility County/Independent City			On-Site 1				On-S	Site Man	agement	t	Off-Site	Transfers
· · · ·		fı	rom Section	5 of Form	R		fr	om Section 8	8 of Form R		from Section	<u>16 of Form R</u>
Facility Name/Address	E '4'	Gr. I	T 1			Total	Energy			Total		Total Other
	Fugitive Air	Stack Air	Total Air	Land	Water	On-Site Releases	Recovery	Dogwaling	Treatment	On-Site Management	POTW	Off-Site Transfers **
Chemical Name form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
XYLENE (MIXED ISOMERS) N	339	0	339	0	0	339	(4 /	0	0 0	<i>d</i> ,	0
Total for Menzies Aviation Fueling Operations Wash	1,882	0	1,882	0	0	1,882	c	7,72	5	0 7,725	0	1,821
LOUDOUN SUPERIOR C	CONCRET	E MATERI	ALS INC	DULLES			44146 WA	ADE DR			NAICS Co	de 327320
NITRATE COMPOUNDS Y	0	0	0	0	0	0	()	0	0 0	0	0
Total for Superior Concrete Materials Inc Dulles	0	0	0	0	0	0	c)	0	0 0	0	0
LOUDOUN TITAN VIRG	INIA REA	DY-MIX L	LC-STERL	ING PLA	NT		22963 CO	NCRETE P	LAZA		NAICS Co	de 327320
NITRATE COMPOUNDS N	0	0	0	0	130	130	()	0	0 0	0	0
Total for Titan Virginia Ready-Mix Llc-Sterling Plant	0	0	0	0	130	130	c)	0	0 0	0	0
LOUDOUN TTM TECHN	OLOGIES	NA LLC					1200 SEV	ERN WAY			NAICS Co	de 334412
FORMALDEHYDE Y	0	0	0	0	0	0	()	0	0 0	0	0
NITRATE COMPOUNDS N	0	0	0	0	0	0	()	0	0 0	40,406	36,374
NITRIC ACID N	5	5	10	0	0	10	()	0 41,06	66 41,066	0	0
SULFURIC ACID (1994 AND AFTER " N	5	5	10	0	0	10	()	0 75	50 750	0	0
Total for Ttm Technologies Na Llc	10	10	20	0	0	20	C)	0 41,8	16 41,816	40,406	36,374
LOUDOUN TTM TECHN	OLOGIES	NORTH A	MERICA,	LLC.			1200 SEV	ERN WAY			NAICS Co	de 334412
AMMONIA N	350	3,235	3,585	0	0	3,585	()	0	0 0	0	11,808
COPPER COMPOUNDS N	0	0	0	0	0	0	()	0	0 0	0	145,716
Total for Ttm Technologies North America, Llc.	350	3,235	3,585	0	0	3,585	C)	0	0 0	0	157,524
LOUDOUN VIRGINIA C	ONCRETE	COCHRA	N MILL				42574 CO	CHRAN M	ILL RD		NAICS Co	de 327320
NITRATE COMPOUNDS N	0	0	0	0	358	358	()	0	0 0	0	0
Total for Virginia Concrete Cochran Mill	0	0	0	0	358	358	c		0	0 0	0	0
LOUDOUN VIRGINIA C	ONCRETE	DULLES	PLANT				44866 OL	D OX ROA	D		NAICS Co	de 327320

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^{***} BAE SYSTEMS, ORDINANCE SYSTEMS INC. AND RADFORD ARMY AMMUNITION ARE THE SAME FACILITY, REPORTING UNDER TWO SEPERATE IDSTHE SUMMARY REPORT REFLECTS ONLY ONE SET OF DATA VALUES FOR TOTALS.

Facility County/Independent Cit	tv			On-Site						agement	-	Off-Site	Transfers
• • •	•		fr	om Section	5 of Form	R		fr	om Section 8	8 of Form R		from Section	n 6 of Form R
Facility Name/A	aaress	Fugitive	Stack	Total			Total On-Site	Energy			Total		Total Other
		Air	Stack Air	1 otai Air	Land	Water	Releases	Recovery	Recycling	Treatment	On-Site Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
NITRATE COMPOUNDS	N	0	0	0	0	347	347	()	0	0 0	0	0
Total for Virginia Concrete Dulles Plant	t	0	0	0	0	347	347	()	0	0 0	0	0
Total for Above County: (23 reports)	2,242	3,245	5,487	0	835	6,322	(7,72	25 41,8	16 49,541	40,406	195,719
LOUISA	GORDONSVI	LLE POW	ER STATI	ON				819 HILI	. RD			NAICS Co	ode 221112
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	()	0	0 0	0	0
NAPHTHALENE	Y	0	0	0	0	0	0	()	0	0 0	0	0
N-HEXANE	Y	0	0	0	0	0	0	()	0	0 0	0	0
Total for Gordonsville Power Station		0	0	0	0	0	0	()	0	0 0	0	0
LOUISA	OLD DOMINI	ION ELEC	CTRIC CO-	OP LOUIS	A GENER	ATION FA	CILITY	3352 KLO	OCKNER R	D		NAICS Co	de 221112
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	()	0	0 0	0	0
NAPHTHALENE	Y	0	0	0	0	0	0	()	0	0 0	0	0
N-HEXANE	Y	0	0	0	0	0	0	()	0	0 0	0	0
Total for Old Dominion Electric Co-Op	Louisa Genera	0	0	0	0	0	0	()	0	0 0	0	0
Total for Above County: (6 reports)		0	0	0	0	0	0	()	0	0 0	0	0
LUNENBURG	VIRGINIA MA	ARBLE M	ANUFACT	URERS IN	IC.			CORNER	R OF BRUN	SWICK & C	OAK ST	NAICS Co	de 326191
STYRENE	N	0	66,140	66,140	0	0	66,140	()	0	0 0	0	0
STYRENE	N	0	51,840	51,840	0	0	51,840	()	0	0 0	0	0
Total for Virginia Marble Manufacturers	Inc	0	117,980	117,980	0	0	117,980	()	0	0 0	0	0
Total for Above County: (2 reports)		0	117,980	117,980	0	0	117,980	()	0	0 0	0	0
LYNCHBURG (CITY)	BANKER STE	EEL COM	PANY, LLO	C				1619 WY	THE RD			NAICS Co	ode 332312
CHROMIUM	N	0	0	0	0	0	0	()	0	0 0	0	15,031

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^{**} TOTAL OTHER OFF-SITE TRANSFERS = ALL OF FORM R SECTION 6.2 OFF-SITE TRANSFERS (DISPOSAL + TREATMENT + ENERGY RECOVERY + RECYCLING)

^{***} BAE SYSTEMS, ORDINANCE SYSTEMS INC. AND RADFORD ARMY AMMUNITION ARE THE SAME FACILITY, REPORTING UNDER TWO SEPERATE IDSTHE SUMMARY REPORT REFLECTS ONLY ONE SET OF DATA VALUES FOR TOTALS.

Facility County/Independent C	ity			On-Site						agement			Transfers
Facility Name/A	•		fi	om Section	5 of Form	ı R	Total	fre	om Section	8 of Form R	Total	from Section	n 6 of Form R
Two many Two many	1441055	Fugitive	Stack	Total			On-Site	Energy			On-Site		Total Other Off-Site
Chemical Name		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment	Management	POTW	Transfers **
	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
MANGANESE	N	0	0	0	_	0	0	C		0	0 0	0	34,344
NICKEL	N	0	0	0	0	0	0	C)	0	0 0	0	29,801
Total for Banker Steel Company, Llc		0	0	0	0	0	0	0	1	0	0 0	0	79,176
LYNCHBURG (CITY)	DAVIS-FROS	T INC						3416 CAN	DLERS M	OUNTAIN I	RD	NAICS Co	de 325510
ALUMINUM OXIDE (FIBROUS FOR	N	268	0	268	0	0	268	C)	0	0 0	0	0
CERTAIN GLYCOL ETHERS	N	1,031	0	1,031	0	0	1,031	C)	0	0 0	0	0
XYLENE (MIXED ISOMERS)	N	2,226	0	2,226	0	0	2,226	C)	0	0 0	0	21,927
ZINC COMPOUNDS	N	503	0	503	0	0	503	C)	0	0 0	0	0
Total for Davis-Frost Inc		4,028	0	4,028	0	0	4,028	0)	0	0 0	0	21,927
LYNCHBURG (CITY)	FLOWSERVE	CORP L	YNCHBUR	G VA				5114 WO	ODALL RD)		NAICS Co	de 333995
COPPER	Y	0	0	0	0	0	0	C)	0	0 0	0	0
DIISOCYANATES	Y	0	0	0	0	0	0	C)	0	0 0	0	0
Total for Flowserve Corp Lynchburg V	'a	0	0	0	0	0	0	0)	0	0 0	0	0
LYNCHBURG (CITY)	GRIFFIN PIP	E PRODU	CTS CO					10 ADAM	IS ST			NAICS Co	de 331511
DIISOCYANATES	N	0	0	0	0	0	0	C)	0	0 0	0	2
MANGANESE COMPOUNDS	N	14	2,117	2,131	0	107	2,238	C)	0	0 0	0	79,245
ZINC COMPOUNDS	N	68	67,132	67,200	0	47	67,247	C)	0	0 0	2,415	1,112,898
Total for Griffin Pipe Products Co		82	69,249	69,331	0	154	69,485	0)	0	0 0	2,415	1,192,145
LYNCHBURG (CITY)	LSC COMMU	NICATIO	NS / LYNC	CHBURG				4201 MUI	RRAY PL			NAICS Co	de 323111
BARIUM COMPOUNDS	N	0	0	0	0	0	0	C)	0	0 0	0	12
COPPER COMPOUNDS	N	0	0	0	0	0	0	C)	0	0 0	0	1,200
TOLUENE	N	0	17,583	17,583	0	0	17,583	C)	0	0 0	3	119,613
ZINC COMPOUNDS	N	0	0	0	0	0	0	C)	0	0 0	290	197

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^{**} TOTAL OTHER OFF-SITE TRANSFERS = ALL OF FORM R SECTION 6.2 OFF-SITE TRANSFERS (DISPOSAL + TREATMENT + ENERGY RECOVERY + RECYCLING)

^{***} BAE SYSTEMS, ORDINANCE SYSTEMS INC. AND RADFORD ARMY AMMUNITION ARE THE SAME FACILITY, REPORTING UNDER TWO SEPERATE IDSTHE SUMMARY REPORT REFLECTS ONLY ONE SET OF DATA VALUES FOR TOTALS.

Facility County/Independent	City			On-Site 1						agement	ţ	Off-Site	Transfers
	•		fi	rom Section	5 of Form	R		fr	om Section	8 of Form R		from Section	6 of Form R
Facility Name	e/Address	E	Stack	T-4-1			Total On-Site	Energy			Total		Total Other
		Fugitive Air	Stack Air	Total Air	Land	Water	Releases	Recovery	Recycling	Treatment	On-Site Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
Total for Lsc Communications / Lyn	chburg	0	17,583	17,583	0	0	17,583	0		0	0 0	294	121,022
LYNCHBURG (CITY)	NORCRAFT	COMPAN	IES					1 MILLR	ACE DR			NAICS Coo	le 337110
CERTAIN GLYCOL ETHERS	N	0	8,880	8,880	0	0	8,880	C)	0	0 0	0	1,453
TOLUENE	N	0	16,569	16,569	0	0	16,569	C)	0	0 0	0	2,609
XYLENE (MIXED ISOMERS)	N	0	27,921	27,921	0	0	27,921	C)	0	0 0	0	4,578
Total for Norcraft Companies		0	53,370	53,370	0	0	53,370	0)	0	0 0	0	8,640
LYNCHBURG (CITY)	SLOCUM AD	HESIVES	CORPORA	ATION				1409 BUC	CHANAN S	Γ		NAICS Coo	le 325520
1-BROMOPROPANE	N	376	0	376	0	0	376	C)	0	0 0	0	0
DICHLOROMETHANE	N	9,012	0	9,012	0	0	9,012	C)	0	0 0	0	0
N-HEXANE	N	2,803	0	2,803	0	0	2,803	C)	0	0 0	0	0
TOLUENE	N	3,363	0	3,363	0	0	3,363	C)	0	0 0	0	0
TRICHLOROETHYLENE	N	928	0	928	0	0	928	C)	0	0 0	0	0
Total for Slocum Adhesives Corpora	ation	16,482	0	16,482	0	0	16,482	0)	0	0 0	0	0
LYNCHBURG (CITY)	WESTOVER	DAIRY						2801 FOR	RT AVE			NAICS Coo	le 311511
NITRIC ACID	N	0	0	0	0	0	0	C)	0 11,16	52 11,162	0	0
Total for Westover Dairy		0	0	0	0	0	0	0)	0 11,16	32 11,162	0	0
Total for Above County: (25 repo	orts)	20,592	140,202	160,794	0	154	160,948	0)	0 11,1	62 11,162	2,709	1,422,910
MADISON	MADISON W	OOD PRE	SERVERS	INC.				216 OAK	PARK RD			NAICS Coo	le 321114
ARSENIC COMPOUNDS	Y	0	0	0	0	0	0	C)	0	0 0	0	0
CHROMIUM COMPOUNDS(EXCE	EPT Y	0	0	0	0	0	0	C)	0	0 0	0	0
COPPER COMPOUNDS	Y	0	0	0	0	0	0	C)	0	0 0	0	0
Total for Madison Wood Preservers	Inc.	0	0	0	0	0	0	0)	0	0 0	0	0

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^{**} TOTAL OTHER OFF-SITE TRANSFERS = ALL OF FORM R SECTION 6.2 OFF-SITE TRANSFERS (DISPOSAL + TREATMENT + ENERGY RECOVERY + RECYCLING)

^{***} BAE SYSTEMS, ORDINANCE SYSTEMS INC. AND RADFORD ARMY AMMUNITION ARE THE SAME FACILITY, REPORTING UNDER TWO SEPERATE IDSTHE SUMMARY REPORT REFLECTS ONLY ONE SET OF DATA VALUES FOR TOTALS.

Facility County/Independent	City			On-Site					Site Mana				Transfers
Facility Nam	•		fi	rom Section	5 of Forn	ı K	Total	fre	om Section 8	of Form R	Total	from Section	1 6 of Form R
Tacinty Ivan	ic/1tuuless	Fugitive	Stack	Total			On-Site	Energy			On-Site		Total Other Off-Site
Chemical Name		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment]	Management	POTW	Transfers **
	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
Total for Above County: (3 report	rts)	0	0	0	0	0	0	0	0	C	0	0	0
MECKLENBURG	AMERICAN I	BUILDING	GS COMPA	NY-LA CR	ROSSE			501 GOLI	DEN EAGLE	DR		NAICS Coo	de 332311
MANGANESE	N	23	0	23	0	0	23	c	0	0	0	0	10,684
Total for American Buildings Comp	oany-La Crosse	23	0	23	0	0	23	0	0	0	0	0	10,684
Total for Above County: (1 reco	rd)	23	0	23	0	0	23	o	0	C	0	0	10,684
MONTGOMERY	ALLIANT TE	CHSYSTE	EMS OPER	ATIONS L	LC (NEW	RIVER EN	ERGETI	RT 114 R	ADFORD AI	RMY AMMU	U NITION PL	ANTAICS Co	de 325920
DIPHENYLAMINE	N	0	257	257	0	0	257	ď	1,217	0	1,217	0	787
NITRATE COMPOUNDS	N	0	120	120	0	0	120	C	930	0	930	0	123,847
NITROGLYCERIN	N	0	25,121	25,121	0	0	25,121	C	90,216	0	90,216	76,616	118,219
Total for Alliant Techsystems Oper	ations Llc (New Ri	0	25,498	25,498	0	0	25,498	0	92,363	0	92,363	76,616	242,853
MONTGOMERY	BAE SYSTEM	IS, ORDN	ANCE SYS	TEMS INC	;			RADFOR	D ARMY AN	MUNITIO	N PLANT 40	5(NPHPBICo	de 325920
2,4-DINITROTOLUENE	N	0	0	0	0	0	C	0	0	5,300	5,300	0	1
AMMONIA	N	20,134	61	20,195	0	505	20,700	C	0	0	0	0	0
CHLORINE	N	0	0	0	0	0	C	O	0	5,007	5,007	0	0
COPPER COMPOUNDS	N	368	2,295	2,663	0	91	2,754	C	0	0	0	0	0
DIBUTYL PHTHALATE	N	5	1	6	0	0	6	6	0	1,714	1,714	0	0
NITRATE COMPOUNDS	N	0	0	0	0	7,355,650	7,355,650	C	0	14,561	14,561	0	0
NITRIC ACID	N	700	630	1,330	0	0	1,330	C	25,698,860	7,355,650	33,054,510	0	0
NITROGLYCERIN	N	0	51,954	51,954	0	0	51,954	C	0	298,792	298,792	0	0
Total for Bae Systems, Ordnance S	Systems Inc	21,207	54,941	76,148	0	7,356,246	7,432,394	. 0	25,698,860	7,681,023	33,379,883	0	1
MONTGOMERY	FEDERAL M	OGUL PO	WERTRAI	N LLC.				300 INDU	STRIAL PA	RK RD SE		NAICS Coo	de 336350
ALUMINUM (FUME OR DUST)	N	112	11,201	11,313	0	0	11,313	c c	0	0	0	0	266,963

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Facility County/Independent C	'its			On-Site 1						agement		Off-Site	Transfers
• • •	•		fi	rom Section	5 of Form	ı R		fr	om Section	8 of Form R		from Sectio	n 6 of Form R
Facility Name/	Address		Q	T			Total	Enouge			Total		Total Other
		Fugitive Air	Stack Air	Total Air	Land	Water	On-Site Releases	Energy Recovery	Dogwaling	Treatment	On-Site	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	Management (pounds)	(pounds)	(pounds)
AMMONIA	Y	0	0	0	· ·	0	0) (4	<u> </u>	0 0	u ,	0
COPPER	N	2	216	218	0	8	226	5)	0	0 0	6	30,042
Total for Federal Mogul Powertrain Ll	C.	114	11,417	11,531	0	8	11,539	C)	0	0 0	6	297,005
MONTGOMERY	PROCHEM, I	NC						5100 ENT	TERPRISE 1	DR		NAICS Co	de 325998
BARIUM COMPOUNDS	N	0	0	0	0	0	0) ()	0	0 0	0	0
MANGANESE COMPOUNDS	N	0	0	0	0	0	0	()	0	0 0	0	0
NITRIC ACID	N	0	0	0	0	0	0))	0	0 0	0	0
PERACETIC ACID	N	0	0	0	0	0	0) ()	0	0 0	0	0
SODIUM DIMETHYLDITHIOCARBA	A N	0	0	0	0	0	0) ()	0	0 0	0	0
Total for Prochem, Inc		0	0	0	0	0	0	()	0	0 0	0	0
MONTGOMERY	WOLVERINE	ADVANO	CED MATE	ERIALS				3175 STA	TE ST			NAICS Co	de 332812
ETHYLENE GLYCOL	N	0	98	98	0	0	98	3)	0 10,34	4 10,344	0	0
METHANOL	N	0	190	190	0	0	190) ()	0 27,65	6 27,656	0	0
METHYL ISOBUTYL KETONE	N	30	1,378	1,408	0	0	1,408	()	0 195,49	3 195,493	0	0
METHYL ISOBUTYL KETONE	N	60	4,765	4,825	0	0	4,825	()	0 712,70	5 712,705	0	0
N,N-DIMETHYLFORMAMIDE	N	0	85	85	0	0	85	()	0 13,02	7 13,027	0	0
N-HEXANE	N	0	317	317	0	0	317	')	0 27,51	2 27,512	0	0
TOLUENE	N	267	14,377	14,644	0	0	14,644	. ()	0 2,199,66	1 2,199,661	0	0
TOLUENE	N	82	7,175	7,257	0	0	7,257	')	0 1,017,79	1 1,017,791	0	0
ZINC COMPOUNDS	N	0	4	4	0	7	11	()	0	0 0	0	0
ZINC COMPOUNDS	N	0	2	2	0	1	3	()	0	0 0	0	0
Total for Wolverine Advanced Materia	als	439	28,391	28,830	0	8	28,838	C)	0 4,204,18	9 4,204,189	0	0

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Facility County/Independent	City		(On-Site I	Release	es			Site Mana			Off-Site	Transfers
	•		fı	rom Section	5 of Forn	ı R		fre	om Section 8	of Form R		from Section	n 6 of Form R
Facility Name	e/Address	E '4'	64 1	T . 1			Total	Energy			Total		Total Other
		Fugitive Air	Stack Air	Total Air	Land	Water	On-Site Releases	Recovery	Recycling	Treatment	On-Site Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
Total for Above County: (29 repo	rts)	21,760	120,247	142,007	0	7,356,262	7,498,268	0	25,791,223	3 11,885,21	2 37,676,435	~ /	539,858
NEWPORT NEWS (CITY)	CANON VIRO	GINIA INC	C					12000 CA	NON BLVD			NAICS Co	ode 334419
METHANOL	N	773	221	994	0	0	994		28,707		0 28,707	0	14,906
O-XYLENE	N	206	165	371	0	0	371	C	30,598		0 30,598	0	15,943
Total for Canon Virginia Inc		979	386	1,365	0	0	1,365	0	59,305	;	0 59,305	0	30,849
NEWPORT NEWS (CITY)	CONTINENT	AL AUTO	MOTIVE S	SYSTEMS I	NC			615 BLAN	ND BLVD			NAICS Co	de 336310
CHROMIUM	N	0	0	0	0	0	0	C	0)	0 0	0	148,513
MANGANESE	N	0	0	0	0	0	0	C	0)	0 0	0	1,350,250
Total for Continental Automotive Sy	stems Inc	0	0	0	0	0	0	0) 0)	0 0	0	1,498,763
NEWPORT NEWS (CITY)	HUNTINGTO	N INGAL	LS INC					4101 WAS	SHINGTON	AVE		NAICS Co	de 336611
AMMONIA	N	0	0	0	0	0	0	C	0)	0 0	0	0
COPPER COMPOUNDS	N	124	1	124	0	505	630	C	0)	0 0	131	16,710
N-BUTYL ALCOHOL	N	24,675	10,040	34,715	0	0	34,715	C	0		0 0	5	1,284
NICKEL	N	239	1	240	0	179	419	C	0)	0 0	30	24,801
XYLENE (MIXED ISOMERS)	N	10,208	1,794	12,002	0	0	12,002	C	0		0 0	1	5,486
ZINC COMPOUNDS	N	102	1	103	0	8,480	8,583	C	0		0 0	750	24,571
Total for Huntington Ingalls Inc		35,347	11,837	47,184	0	9,165	56,349	0	0)	0 0	917	72,853
NEWPORT NEWS (CITY)	HUNTINGTO	N INGAL	LS INCOR	PORATED				4101 WAS	SHINGTON	AVE		NAICS Co	ode 336611
1,2,4-TRIMETHYLBENZENE	N	14,104	0	14,104	0	0	14,104		0)	0 0	5	684
CHROMIUM	N	143	1	143	0	179	323	C	0)	0 0	35	7,538
DIISOCYANATES	N	0	0	0	0	0	0	C	0		0 0	0	67,589
MANGANESE	N	1,064	4	1,068	0	0	1,068	C	0)	0 0	0	5,567

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Facility County/Independent Ci	itv		(On-Site 1	Release	S			Site Man			Off-Site	Transfers
	•		fı	rom Section	5 of Form	R		fr	om Section 8	of Form R		from Section	1 6 of Form R
Facility Name/A	Address	E '4'	Gr. 1	T 1			Total	Energy			Total		Total Other
		Fugitive Air	Stack Air	Total Air	Land	Water	On-Site Releases	Recovery	Recycling	Treatment	On-Site Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
Total for Huntington Ingalls Incorporate	ed	15,311	5	15,315	0	179	15,495	O) ()	0 0	39	81,378
NEWPORT NEWS (CITY)	KINYO VIRG	INIA INC						290 ENTI	ERPRISE DI	R		NAICS Co	de 326299
TOLUENE	N	35,740	25,940	61,680	0	0	61,680	() ()	0 0	0	20,450
Total for Kinyo Virginia Inc		35,740	25,940	61,680	0	0	61,680	O) ()	0 0	0	20,450
NEWPORT NEWS (CITY)	MARVA MAI	D DAIRY						5500 CHE	ESTNUT AV	E		NAICS Co	de 311511
NITRATE COMPOUNDS	N	0	0	0	0	0	0	() ()	0 0	0	30,673
NITRIC ACID	N	0	0	0	0	0	0	() (34,62	4 34,624	0	0
Total for Marva Maid Dairy		0	0	0	0	0	0	O) (34,62	4 34,624	0	30,673
NEWPORT NEWS (CITY)	MICA CO OF	CANADA	INC					900 JEFF	ERSON AV	E		NAICS Co	de 327999
METHANOL	N	250	20,140	20,390	0	0	20,390	() ()	0 0	0	0
TOLUENE	N	250	14,309	14,559	0	0	14,559	() ()	0 0	0	0
Total for Mica Co Of Canada Inc		500	34,449	34,949	0	0	34,949	O) ()	0 0	0	0
NEWPORT NEWS (CITY)	PAPCO OIL (COMPANY	Y					407 JEFF	ERSON AV	ENUE		NAICS Co	de 424710
NAPHTHALENE	Y	0	0	0	0	0	0	() ()	0 0	0	0
Total for Papco Oil Company		0	0	0	0	0	0	O) ()	0 0	0	0
Total for Above County: (20 reports	s)	87,877	72,617	160,494	0	9,344	169,838	0	59,30	5 34,62	24 93,929	956	1,734,966
NORFOLK (CITY)	BAE SYSTEM	IS NORFO	OLK SHIP I	REPAIR				750 W BE	CRKLEY AV	Æ		NAICS Co	de 336611
CHROMIUM COMPOUNDS(EXCEPT	Γ Ν	75	0	75	0	0	75	() ()	0 0	5	161,607
COPPER COMPOUNDS	N	518	0	518	0	22	540	() ()	0 0	202	70,069
MANGANESE COMPOUNDS	N	6	0	6	0	0	6	() ()	0 0	0	5,339
N-BUTYL ALCOHOL	N	9,394	0	9,394	0	0	9,394) ()	0 0	0	5,354
NICKEL COMPOUNDS	N	5	0	5	0	0	5	() ()	0 0	42	106,769

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^{**} TOTAL OTHER OFF-SITE TRANSFERS = ALL OF FORM R SECTION 6.2 OFF-SITE TRANSFERS (DISPOSAL + TREATMENT + ENERGY RECOVERY + RECYCLING)

^{***} BAE SYSTEMS, ORDINANCE SYSTEMS INC. AND RADFORD ARMY AMMUNITION ARE THE SAME FACILITY, REPORTING UNDER TWO SEPERATE IDSTHE SUMMARY REPORT REFLECTS ONLY ONE SET OF DATA VALUES FOR TOTALS.

Facility County/Independent	City			On-Site l						agement			Transfers
Facility Nam	•		fi	om Section	5 of Form	R	Total	fro	om Section	8 of Form R		from Section	<u>16 of Form R</u>
racinty Ivan	ic/Auul ess	Fugitive	Stack	Total			On-Site	Energy			Total On-Site		Total Other
		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment		POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
ZINC COMPOUNDS	N	241	0	241	0	103	344	0)	0	0 0	143	36,913
Total for Bae Systems Norfolk Ship	o Repair	10,239	0	10,239	0	125	10,364	0		0	0 0	392	386,051
NORFOLK (CITY)	CAPITAL CO	NCRETE	INC.					400 STAP	LETON ST			NAICS Coo	de 327320
NITRATE COMPOUNDS	N	0	0	0	0	83	83	0)	0 8	83 83	0	0
Total for Capital Concrete Inc.		0	0	0	0	83	83	0	ı	0 0	83 83	0	0
NORFOLK (CITY)	COLONNA'S	SHIPYAR	D INC					400 E IND	DIAN RIVE	R RD		NAICS Coo	de 336611
N-BUTYL ALCOHOL	N	9,534	0	9,534	0	0	9,534	0	1	0	0 0	0	2,717
XYLENE (MIXED ISOMERS)	N	13,881	0	13,881	0	0	13,881	0)	0	0 0	0	4,245
Total for Colonna'S Shipyard Inc		23,415	0	23,415	0	0	23,415	0		0	0 0	0	6,962
NORFOLK (CITY)	TITAN VIRG	INIA REA	DY-MIX L	LC-CAMP	OSTELLA	PLANT		2125 KIM	BALL TEI	RRACE		NAICS Coo	de 327320
NITRATE COMPOUNDS	N	0	0	0	0	56	56	0	1	0	0 0	0	0
Total for Titan Virginia Ready-Mix I	Llc-Campostella Pl	0	0	0	0	56	56	0		0	0 0	0	0
NORFOLK (CITY)	US NAVY NA	VAL STA	ΓΙΟΝ NOR	FOLK				1530 GIL	BERT ST S	UITE 2000		NAICS Coo	de 928110
NAPHTHALENE	N	6	58	64	0	288	353	0)	0	0 0	0	0
Total for Us Navy Naval Station No	orfolk	6	58	64	0	288	353	0	ı	0	0 0	0	0
Total for Above County: (11 repo	orts)	33,660	58	33,718	0	552	34,270	0	ı	0	83 83	392	393,013
NORTHUMBERLAND	OMEGA PRO	TEIN CO	RPORATIO	ON				610 MEN	HADEN RI)		NAICS Coo	de 311613
AMMONIA	N	0	17,000	17,000	0	174	17,174	0)	0	0 0	0	0
Total for Omega Protein Corporation	on	0	17,000	17,000	0	174	17,174	0	ı	0	0 0	0	0
Total for Above County: (1 reco	rd)	0	17,000	17,000	0	174	17,174	0		0	0 0	0	0
NOTTOWAY	COX WOOD	OF VIRGI	NIA					2960 COX	K RD			NAICS Coo	de 321114

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^{**} TOTAL OTHER OFF-SITE TRANSFERS = ALL OF FORM R SECTION 6.2 OFF-SITE TRANSFERS (DISPOSAL + TREATMENT + ENERGY RECOVERY + RECYCLING)

^{***} BAE SYSTEMS, ORDINANCE SYSTEMS INC. AND RADFORD ARMY AMMUNITION ARE THE SAME FACILITY, REPORTING UNDER TWO SEPERATE IDSTHE SUMMARY REPORT REFLECTS ONLY ONE SET OF DATA VALUES FOR TOTALS.

Facility County/Independent Cit	v			On-Site						agemen			Transfers
Facility Name/A	-		fr	om Section	5 of Form	ı R	70.4.1	fre	om Section	8 of Form R		from Sectio	n 6 of Form R
Facility Name/A	uuress	Fugitive	Stack	Total			Total On-Site	Energy			Total On-Site		Total Other
Chemical Name		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment	Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
ARSENIC COMPOUNDS	N	0	0	C	0	21	21	0)	0	0 0	0	0
CHROMIUM COMPOUNDS(EXCEPT	Y	0	0	C	0	0	0	0)	0	0 0	0	0
COPPER COMPOUNDS	Y	0	0	C	0	0	0	0)	0	0 0	0	0
Total for Cox Wood Of Virginia		0	0	0	0	21	21	0)	0	0 0	0	0
NOTTOWAY	YSON FARM	AS INC 1	FEED MIL	L				1938 PAT	RICK HEN	NRY HWY		NAICS Co	de 311119
COPPER COMPOUNDS	Y	0	0	C	0	0	0	0)	0	0 0	0	0
MANGANESE COMPOUNDS	Y	0	0	C	0	0	0	0)	0	0 0	0	0
ZINC COMPOUNDS	Y	0	0	C	0	0	0	0)	0	0 0	0	0
Total for Tyson Farms Inc Feed Mill		0	0	0	0	0	0	0)	0	0 0	0	0
NOTTOWAY	S ARMY NA	TIONAL	GUARD FO	ORT PICK	ETT (INST	FALLATIO	N)	US PFO B	BUILDING	316 FORT I	PICKETT	NAICS Co	de 928110
COPPER	N	0	0	C	91,181	0	91,181	0)	0	0 0	0	0
DINITROTOLUENE (MIXED ISOMER	N	0	0	C	0	0	0	0)	0	0 0	0	0
Total for Us Army National Guard Fort	Pickett (Install	0	0	0	91,181	0	91,181	0)	0	0 0	0	0
Total for Above County: (8 reports)		0	0	0	91,181	21	91,202	0	1	0	0 0	0	0
PATRICK N	MICROMETI	RICS SYST	ГЕМ					225 JEB S	STUART H	WY		NAICS Co	de 332710
CHLORINE	Y	0	0	C	0	0	0	0)	0	0 0	0	0
PROPYLENE	Y	0	0	C	0	0	0	0)	0	0 0	0	0
Total for Micrometrics System		0	0	0	0	0	0	0)	0	0 0	0	0
Total for Above County: (2 reports)		0	0	0	0	0	0	0	1	0	0 0	0	0
PETERSBURG (CITY)	MPAC FINE	СНЕМІС	CALS VIRG	SINIA, LLO	C			2820 N NO	ORMANDY	DRIVE		NAICS Co	ode 325411
DICHLOROMETHANE	N	9	1,857	1,865	0	0	1,865	0)	0	0 0	0	88,094
ETHYLENE GLYCOL	N	0	0	C	0	0	0	0)	0	0 0	0	64

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^{**} TOTAL OTHER OFF-SITE TRANSFERS = ALL OF FORM R SECTION 6.2 OFF-SITE TRANSFERS (DISPOSAL + TREATMENT + ENERGY RECOVERY + RECYCLING)

^{***} BAE SYSTEMS, ORDINANCE SYSTEMS INC. AND RADFORD ARMY AMMUNITION ARE THE SAME FACILITY, REPORTING UNDER TWO SEPERATE IDSTHE SUMMARY REPORT REFLECTS ONLY ONE SET OF DATA VALUES FOR TOTALS.

Facility County/Independent	City			On-Site 1						agement			Transfers
Facility Name	•		fi	om Section	5 of Form	ı R	Total	fre	om Section	8 of Form R		from Section	n 6 of Form R
racinty Ivanic	Address	Fugitive	Stack	Total			On-Site	Energy			Total On-Site		Total Other
Chemical Name		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment	Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
METHANOL	N	8	412	420	0	0	420	0)	0	0 0	0	161,477
N,N-DIMETHYLFORMAMIDE	N	1	66	67	0	0	67	0)	0	0 0	0	4,351
Total for Ampac Fine Chemicals Vir	ginia, Llc	18	2,335	2,352	0	0	2,352	0)	0	0 0	0	253,986
PETERSBURG (CITY)	AMSTED RAI	IL CO INC						2580 FRO	NTAGE RI	D		NAICS Co	de 332111
CHROMIUM	N	0	0	0	0	0	0	0)	0	0 0	10	81,894
COPPER	N	0	0	0	0	0	0	0)	0	0 0	10	50,705
MANGANESE	N	0	0	0	0	0	0	0)	0	0 0	0	139,857
NICKEL	N	0	1	1	0	0	1	0)	0	0 0	77	82,594
Total for Amsted Rail Co Inc		0	1	1	0	0	1	0)	0	0 0	96	355,049
PETERSBURG (CITY)	BLEACHTEC	H LLC						2020 BES	SEMER RI)		NAICS Co	de 325180
CHLORINE	N	255	0	255	0	0	255	0)	0	0 0	0	0
HYDROCHLORIC ACID (1995 AN	D A N	5	5	10	0	0	10	0)	0	0 0	0	0
Total for Bleachtech Llc		260	5	265	0	0	265	0)	0	0 0	0	0
PETERSBURG (CITY)	DOMINION C	CHEMICA	L CO INC					2050 PUD	DLEDOCK	RD		NAICS Co	de 325998
AMMONIA	N	5	5	10	0	0	10	0)	0	0 0	0	0
METHANOL	N	250	250	500	0	0	500	0)	0	0 0	0	0
Total for Dominion Chemical Co Inc		255	255	510	0	0	510	0)	0	0 0	0	0
PETERSBURG (CITY)	PRE CON INC	C						220 S PEF	RRY ST			NAICS Co	de 313320
CYCLOHEXANE	N	0	224	225	0	0	225	0)	0 1,89	90 1,890	0	4,650
Total for Pre Con Inc		0	224	225	0	0	225	0	1	0 1,89	90 1,890	0	4,650
PETERSBURG (CITY)	VALMONT-V	IRGINIA	GALVANI	ZING INC				3535 HAL	IFAX RD			NAICS Co	de 332812
ZINC COMPOUNDS	N	82	7	89	0	42	131	0)	0	0 0	0	18,420

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Facility County/Independent	City			On-Site 1						agement		Off-Site	Transfers
, ,	ū		fı	om Section	5 of Form	ı R		fre	om Section 8	3 of Form R		from Sectio	n 6 of Form R
Facility Nam	le/Address	Fugitive	Stack	Total			Total On-Site	Energy			Total On-Site		Total Other
Chemical Name		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment	Management	POTW	Off-Site Transfers **
Chemicai Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
Total for Valmont-Virginia Galvaniz	ing Inc	82	7	89	0	42	131	0		0	0 0	0	18,420
Total for Above County: (14 repo	orts)	615	2,827	3,442	0	42	3,484	0		0 1,89	0 1,890	96	632,106
PITTSYLVANIA	ARKEMA INC	C						601 TIGH	TSQUEEZ	E IND US TI	RIAL RD	NAICS Co	de 325211
ACRYLIC ACID	N	1,600	250	1,850	0	0	1,850	0)	0 418,00	0 418,000	0	0
BUTYL ACRYLATE	N	250	250	500	0	0	500	0)	0 1,00	0 1,000	0	500
CERTAIN GLYCOL ETHERS	N	5	5	10	0	0	10	0) (5,60	5,600	0	1,000
DIISOCYANATES	Y	0	0	0	0	0	0	0) (0	0 0	0	0
HYDROQUINONE	Y	0	0	0	0	0	0	0) (0	0 0	0	0
METHYL METHACRYLATE	N	250	250	500	0	0	500	0) (0 30	0 300	0	750
PHTHALIC ANHYDRIDE	N	5	250	255	0	0	255	0)	0 13	0 130	0	1,350
TOLUENE	N	2,100	750	2,850	0	0	2,850	0	1,250,000	0 26,40	0 1,276,400	0	485,750
TOLUENE DIISOCYANATE (MIX	ŒD I Y	0	0	0	0	0	0	0)	0	0 0	0	0
Total for Arkema Inc		4,210	1,755	5,965	0	0	5,965	0	1,250,00	0 451,43	0 1,701,430	0	489,350
PITTSYLVANIA	DANCHEM T	ECHNOL	OGIES INC	C				1975 OLD	RICHMO	ND RD		NAICS Co	de 325199
ANTIMONY COMPOUNDS	N	0	0	0	0	0	0	0) (0	0 0	244	250
COPPER COMPOUNDS	N	0	0	0	0	0	0	0) (0	0 0	21	250
DICAMBA	N	0	0	0	0	0	0	0) (0	0 0	0	750
DIISOCYANATES	N	0	0	0	0	0	0	0)	0	0 0	0	2,700
ETHYLENE GLYCOL	N	36	0	37	0	0	37	0)	0	0 0	10	250
MALEIC ANHYDRIDE	N	136	1	137	0	0	137	0)	0	0 0	0	120
METHYL METHACRYLATE	N	228	72	300	0	0	300	0)	0	0 0	0	420
N-BUTYL ALCOHOL	N	3,997	12	4,009	0	0	4,009	0)	0 1,00	0 1,000	0	112,643

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Facility County/Independent C	City			On-Site l						agement		Off-Site	Transfers
Facility Name/	-		fı	om Section	5 of Form	R	7D ()	fro	om Section 8	of Form R		from Section	1 6 of Form R
Facility Name/	Auuress	Fugitive	Stack	Total			Total On-Site	Energy			Total On-Site		Total Other
Chemical Name		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment	Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
NITRIC ACID	N	0	0	0	0	0	0	0	() (0	25	0
PHENOL	N	0	9	9	0	0	9	0	() (0	0	15
TOLUENE	N	1,551	3,026	4,577	0	0	4,577	0	(20,000	20,000	0	131,975
XYLENE (MIXED ISOMERS)	N	64	2,269	2,333	0	0	2,333	0	() (0	5	4,200
Total for Danchem Technologies Inc		6,012	5,390	11,402	0	0	11,402	0	(21,000	21,000	305	253,573
PITTSYLVANIA	INTERTAPE	POLYME	R CORP					1101 EAG	LE SPRING	GS RD		NAICS Cod	de 326113
TOLUENE	N	8,394	96,532	104,926	0	0	104,926	0	2,439,45	7 (2,439,457	0	0
Total for Intertape Polymer Corp		8,394	96,532	104,926	0	0	104,926	0	2,439,45	7 (2,439,457	0	0
PITTSYLVANIA	JTI LEAF SE	RVICES (I	US) LLC					202 STINS	SON DRIVI	E		NAICS Cod	de 312230
AMMONIA	N	862	3,489	4,351	0	0	4,351	0) (0	943	0
NICOTINE AND SALTS	N	15,860	34,148	50,008	0	0	50,008	0) (0	3,154	2,207
Total for Jti Leaf Services (Us) Llc		16,722	37,637	54,359	0	0	54,359	0	(0 (0	4,097	2,207
PITTSYLVANIA	POLYNT CO	MPOSITE	S USA INC	•				920 TIGH	TSQUEEZI	E IND US TH	RIAL RD	NAICS Cod	de 325211
DICYCLOPENTADIENE	N	134	338	472	0	0	472	0) (0	0	2,601
ETHYLBENZENE	N	0	0	0	0	0	0	0	•) (0	1	1,157
ETHYLENE GLYCOL	N	20	51	71	0	0	71	0) (0	0	3,600
MALEIC ANHYDRIDE	N	195	889	1,084	0	0	1,084	0	() (0	0	18
METHANOL	Y	0	0	0	0	0	0	0	() (0	0	0
PHTHALIC ANHYDRIDE	N	83	315	398	0	0	398	0	() (0	0	18
STYRENE	N	529	833	1,362	0	0	1,362	0	() (0	998	5,352
TRIETHYLAMINE	Y	0	0	0	0	0	0	0	() (0	0	0
Total for Polynt Composites Usa Inc.		961	2,426	3,387	0	0	3,387	0	(0 (0	999	12,746
PITTSYLVANIA	WOODWICK	CANDLE						200 TOY	LANE			NAICS Cod	de 339999

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Facility County/Independent C	itv -			On-Site 1						agement		Off-Site 7	Transfers
• • •	•		fı	rom Section	5 of Form	R		fro	om Section 8	of Form R		from Section	
Facility Name	Address	Fugitive	Stack	Total			Total On-Site	Energy			Total		Total Other
		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment	On-Site Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
DIISOCYANATES	Y	0	0	0	0	0	C	0	() (0	0	0
Total for Woodwick Candle		0	0	0	0	0	0	0	() (0	0	0
Total for Above County: (33 report	ts)	36,299	143,740	180,039	0	0	180,039	0	3,689,45	7 472,43	0 4,161,887	5,401	757,876
PORTSMOUTH (CITY)	U.S. AMINES	(PORTSM	10UTH) LI	LC				3230 W N	ORFOLK F	RD.		NAICS Cod	e 325199
3-CHLORO-2-METHYL-1-PROPEN	E N	68	1	69	0	0	69	0	() 45	45	0	0
ALLYL CHLORIDE	N	185	5	190	0	0	190	0	(252	252	0	0
ALLYLAMINE	N	181	1,960	2,141	0	0	2,141	0	(96,040	96,040	0	0
AMMONIA	N	48	0	48	0	0	48	0	() (0	5	0
Total for U.S. Amines (Portsmouth) L	_lc	482	1,966	2,448	0	0	2,448	0	(96,337	96,337	5	0
PORTSMOUTH (CITY)	US NAVY DE	FENSE FU	JEL SUPPO	ORT POINT	CRANE	Y ISLAND		4501 CED	AR LN BLI	OG 288		NAICS Cod	e 928110
NAPHTHALENE	N	876	0	876	0	45	921	0	834,568	3 2,375	836,943	0	49,642
Total for Us Navy Defense Fuel Supp	oort Point Crane	876	0	876	0	45	921	0	834,568	3 2,375	836,943	0	49,642
Total for Above County: (5 reports	s)	1,358	1,966	3,324	0	45	3,369	0	834,56	8 98,71	933,280	5	49,642
PRINCE GEORGE	GREEN PLAI	NS HOPE	WELL LLO	C				701 S 6TH	AVE			NAICS Cod	e 325193
ACETALDEHYDE	N	4	830	834	0	0	834	0	(24,606	24,606	0	0
FORMIC ACID	N	0	1,600	1,600	0	0	1,600	0	(48,445	48,445	0	0
N-HEXANE	N	0	2,700	2,700	0	0	2,700	0	(26,422	26,422	0	0
Total for Green Plains Hopewell Llc		4	5,130	5,134	0	0	5,134	• 0	(99,473	99,473	0	0
PRINCE GEORGE	LUMINANT I	HOPEWEI	LL POWER	R PLANT				1114 HER	CULES RD	•		NAICS Cod	e 221112
SULFURIC ACID (1994 AND AFTER	R" N	0	128,322	128,322	0	0	128,322	0	() (0	0	0
Total for Luminant Hopewell Power F	Plant	0	128,322	128,322	0	0	128,322	0	() (0	0	0

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^{**} TOTAL OTHER OFF-SITE TRANSFERS = ALL OF FORM R SECTION 6.2 OFF-SITE TRANSFERS (DISPOSAL + TREATMENT + ENERGY RECOVERY + RECYCLING)

^{***} BAE SYSTEMS, ORDINANCE SYSTEMS INC. AND RADFORD ARMY AMMUNITION ARE THE SAME FACILITY, REPORTING UNDER TWO SEPERATE IDSTHE SUMMARY REPORT REFLECTS ONLY ONE SET OF DATA VALUES FOR TOTALS.

Facility County/Independent (City			On-Site 1						agement		Off-Site 7	Transfers
	•		fı	om Section	5 of Form	R		fr	om Section 8	3 of Form R		from Section	<u>6 of Form R</u>
Facility Name	e/Address	E	Stack	T-4-1			Total On-Site	Energy			Total		Total Other
		Fugitive Air	Air	Total Air	Land	Water	Releases	Recovery	Recycling	Treatment	On-Site Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
PRINCE GEORGE	METL-SPAN,	, A DIVISI	ON OF NC	I GROUP, I	INC.			6001 QUA	ALITY WAY	Y		NAICS Cod	e 332311
DIISOCYANATES	N	5,730	0	5,730	0	0	5,730	()	0	0 0	0	0
Total for Metl-Span, A Division Of N	ci Group, Inc.	5,730	0	5,730	0	0	5,730	0)	0	0 0	0	0
Total for Above County: (5 report	s)	5,734	133,452	139,186	0	0	139,186	0)	0 99,47	3 99,473	0	0
PRINCE WILLIAM	MANASSAS I	BROAD R	UN READY	MIX CON	CRETE			9321 DEV	ELOPERS	DRIVE		NAICS Cod	e 327320
NITRATE COMPOUNDS	Y	0	0	0	0	0	0	()	0	0 0	0	0
Total for Manassas Broad Run Read	dy Mix Concrete	0	0	0	0	0	0	O)	0	0 0	0	0
PRINCE WILLIAM	MICRON TEC	CHNOLO	GY INC.					9600 GOI	OWIN DR			NAICS Cod	e 334413
AMMONIA	N	450	12,000	12,450	0	10	12,460	()	0 14,00	0 14,000	39,000	39,000
FLUORINE	N	0	2,100	2,100	0	0	2,100	()	0 120,00	0 120,000	0	0
HYDROGEN FLUORIDE	N	0	6,500	6,500	0	0	6,500	()	0 800,00	0 800,000	0	560
NITRATE COMPOUNDS	N	0	0	0	0	0	0	()	0	0 0	75,000	75,000
NITRIC ACID	N	0	76	76	0	0	76	()	0 72,00	0 72,000	0	2,800
OZONE	N	0	160	160	0	0	160	()	0 160,00	0 160,000	0	0
PROPYLENE	N	0	140	140	0	0	140	()	0	0 0	0	0
SULFURIC ACID (1994 AND AFTE	R" N	0	640	640	0	0	640	()	0 120,00	0 120,000	0	0
Total for Micron Technology Inc.		450	21,616	22,066	0	10	22,076	0)	0 1,286,00	0 1,286,000	114,000	117,360
PRINCE WILLIAM	POSSUM POI	INT POWI	ER STATIC	ON				19000 PO	SSUM POI	NT RD		NAICS Cod	e 221112
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	()	0	0 0	0	0
AMMONIA	N	0	11,100	11,100	0	27,400	38,500	()	0	0 0	0	0
NAPHTHALENE	Y	0	0	0	0	0	0	()	0	0 0	0	0
N-HEXANE	N	0	4,350	4,350	0	0	4,350	()	0	0 0	0	0

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Facility County/Independent	City			On-Site 1						agemen		Off-Site	Transfers
Facility Nam	•		fı	rom Section	5 of Form	R	T ()	fr	om Section	8 of Form R		from Sectio	n 6 of Form R
Facility Nam	le/Address	Fugitive	Stack	Total			Total On-Site	Energy			Total On-Site		Total Other
		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment	Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
Total for Possum Point Power Stati	ion	0	15,450	15,450	0	27,400	42,850	0)	0	0 0	0	0
PRINCE WILLIAM	QUARLES PE	TROLEU	M INC. MA	ANASSAS I	BULK PL	ANT		8001 WEI	LLINGFOR	RD DR		NAICS Co	de 424710
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0))	0	0 0	0	0
BENZENE	Y	0	0	0	0	0	0	()	0	0 0	0	0
ETHYLBENZENE	Y	0	0	0	0	0	0	()	0	0 0	0	0
N-HEXANE	Y	0	0	0	0	0	0	()	0	0 0	0	0
TOLUENE	Y	0	0	0	0	0	0	()	0	0 0	0	0
XYLENE (MIXED ISOMERS)	Y	0	0	0	0	0	0	()	0	0 0	0	0
Total for Quarles Petroleum Inc. Ma	anassas Bulk Plan	0	0	0	0	0	0	O)	0	0 0	0	0
PRINCE WILLIAM	SAFETY-KLE	EEN SYST	EMS MAN	ASSAS (MA	AN)			11520 BA	LLS FORD	RD		NAICS Co	de 562112
ETHYLENE GLYCOL	N	0	3	3	0	0	3	()	0	0 0	0	178,956
Total for Safety-Kleen Systems Ma	nassas (Man)	0	3	3	0	0	3	o)	0	0 0	0	178,956
PRINCE WILLIAM	TITAN VIRG	INIA REA	DY-MIX L	LC-DUMF	RIES PLA	NT		3454 CAN	NAL RD			NAICS Co	de 327320
NITRATE COMPOUNDS	N	0	0	0	0	0	0))	0	0 0	0	0
Total for Titan Virginia Ready-Mix L	lc-Dumfries Plant	0	0	0	0	0	0	o)	0	0 0	0	0
PRINCE WILLIAM	US MARINE	CORPS BA	ASE QUAN	TICO				3250 CAT	TLIN AVE			NAICS Co	de 928110
1,2,4-TRIMETHYLBENZENE	N	3	0	3	0	0	3	()	0	0 0	0	0
BENZENE	N	161	77	238	0	0	238	3)	0	0 0	0	19
COPPER	N	0	0	0	47,006	0	47,006	6)	0	0 0	0	0
CUMENE	N	14	3	17	0	0	17	′ ()	0	0 0	0	0
ETHYLBENZENE	N	327	6	333	0	0	333	()	0	0 0	0	0
ETHYLENE GLYCOL	N	1	0	1	0	0	1	()	0	0 0	0	0
NAPHTHALENE	N	1	1	2	0	0	2)	0	0 0	0	0

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Facility County/Independent City				On-Site I						agemen 8 of Form R			Transfers
Facility Name/Ado	dress		11	om section	3 01 F0III	IX.	Total	110	om Section	o or Form K	Total	from Section	n 6 of Form R Total Other
		Fugitive	Stack	Total			On-Site	Energy			On-Site		Off-Site
Chemical Name	form A*	Air (pounds)	Air (pounds)	Air (pounds)	Land (pounds)	Water (pounds)	Releases (pounds)	Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Management (pounds)	POTW (pounds)	Transfers ** (pounds)
N-HEXANE	N	27	340	367	· ·	0	367		4 /	0	0 0	· · ·	73
NITRATE COMPOUNDS	N	0	0	0	0	45,834	45,834	0)	0	0 0	0	0
TOLUENE	N	1,032	87	1,119	0	0	1,119	0)	0	0 0	0	136
XYLENE (MIXED ISOMERS)	N	410	26	436	0	0	436	0)	0	0 0	0	0
Total for Us Marine Corps Base Quantico)	1,976	540	2,516	47,006	45,834	95,356	0)	0	0 0	0	228
PRINCE WILLIAM VI	RGINIA CO	ONCRETE	GAINESV	TLLE PLA	NT			7300 RAI	L LINE CT			NAICS Co	de 327320
NITRATE COMPOUNDS	N	0	0	0	0	274	274	0)	0	0 0	0	0
Total for Virginia Concrete Gainesville Pla	ant	0	0	0	0	274	274	0	1	0	0 0	0	0
Total for Above County: (33 reports)		2,426	37,609	40,035	47,006	73,518	160,559	0	1	0 1,286,0	000 1,286,000	114,000	296,544
PULASKI BO	ONDCOTE	CORP						509 BURG	GIS AVE			NAICS Co	de 313320
ANTIMONY COMPOUNDS	N	0	0	0	0	0	0	0)	0	0 0	0	3,821
BARIUM COMPOUNDS	N	0	0	0	0	0	0	0)	0	0 0	0	2,652
CHROMIUM COMPOUNDS(EXCEPT	N	0	0	0	0	0	0	0)	0	0 0	0	0
DIBUTYL PHTHALATE	N	0	0	0	0	0	0	0)	0	0 0	0	2,098
ZINC COMPOUNDS	N	0	0	0	0	0	0	0)	0	0 0	0	20
Total for Bondcote Corp		0	0	0	0	0	0	0	1	0	0 0	0	8,591
PULASKI CO	ONN-WELD	IND INC						NEW BEI	RN RD STA	TE RD 682		NAICS Co	de 333131
CHROMIUM	N	0	0	0	0	0	0	0)	0	0 0	0	0
Total for Conn-Weld Ind Inc		0	0	0	0	0	0	0)	0	0 0	0	0
PULASKI EL	ECTROPL	ATE-RIT	E CORP					5529 LEE	HWY			NAICS Co	de 332813
COPPER	N	0	0	0	0	0	0	0)	0	0 0	0	0
ZINC COMPOUNDS	N	37	55	92	0	0	92	0)	0	0 0	3	0

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Facility County/Independent	City			On-Site 1						agement	t	Off-Site	Fransfers
	•		fı	rom Section	5 of Form	R		fr	om Section	8 of Form R		from Section	6 of Form R
Facility Nam	ie/Address	Fugitive	Stack	Total			Total On-Site	Energy			Total		Total Other
		Air	Stack Air	1 otai Air	Land	Water	Releases	Recovery	Recycling	Treatment	On-Site Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
Total for Electroplate-Rite Corp		37	55	92	0	0	92	2		0	0 0	3	0
PULASKI	IMPERIAL G	ROUP MA	ANUFACTU	URING INC	C			4969 STE	PP PLACE			NAICS Cod	e 332322
CHROMIUM	N	0	0	0	0	0	C) ()	0	0 0	0	16,000
MANGANESE	N	0	0	0	0	0	C) ()	0	0 0	0	4,000
NICKEL	N	0	0	0	0	0	C) ()	0	0 0	0	5,000
Total for Imperial Group Manufactu	ıring Inc	0	0	0	0	0	0	C)	0	0 0	0	25,000
PULASKI	MAR-BAL, IN	NC.						5400 RES	ERVE WA	Y		NAICS Cod	e 326199
STYRENE	N	1,368	0	1,368	0	0	1,368	3)	0	0 0	0	3,121
Total for Mar-Bal, Inc.		1,368	0	1,368	0	0	1,368	c)	0	0 0	0	3,121
PULASKI	NORDSON X	ALOY INC	C					102 XAL	DY WAY			NAICS Cod	e 332999
NICKEL	N	5	250	255	0	0	255	5)	0	0 0	0	40,405
Total for Nordson Xaloy Inc		5	250	255	0	0	255	i c)	0	0 0	0	40,405
PULASKI	VOLVO GRO	UP NORT	H AMERIC	CA, LLC				4881 COU	JGAR TRA	IL ROAD		NAICS Cod	e 336120
ETHYLBENZENE	N	455	1,380	1,835	0	0	1,835	5)	0 10,22	28 10,228	0	66,898
ETHYLENE GLYCOL	N	3	5	8	0	0	8	3)	0 1	18 18	0	27,476
METHANOL	N	4	324	328	0	0	328	3)	0	1 1	0	707
N-BUTYL ALCOHOL	N	164	11,146	11,310	0	0	11,310) ()	0 83,92	26 83,926	0	531,341
NITRIC ACID	N	0	19	19	0	0	19	()	0 11,17	72 11,172	0	0
XYLENE (MIXED ISOMERS)	N	1,937	9,043	10,980	0	0	10,980	()	0 68,11	68,110	0	445,987
Total for Volvo Group North America	ca, Llc	2,563	21,917	24,480	0	0	24,480	C)	0 173,45	55 173,455	0	1,072,409
Total for Above County: (19 repo	orts)	3,973	22,222	26,195	0	0	26,195	i c)	0 173,4	55 173,455	3 '	1,149,526
RICHMOND	MCFARLANI	D CASCAI	DE HOLDI	NGS INC				15939 HIS	STORY LA	ND HWY		NAICS Cod	e 321114

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Facility County/Independent C	`itv			On-Site 1						agemen		Off-Site	Transfers
• • •	•		fı	om Section	5 of Form	R		fre	om Section	8 of Form R		from Section	<u>n 6 of Form R</u>
Facility Name/	Address	E:4:	C41-	T-4-1			Total On-Site	Energy			Total		Total Other
		Fugitive Air	Stack Air	Total Air	Land	Water	Releases	Recovery	Recycling	Treatment	On-Site Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
ARSENIC COMPOUNDS	N	0	3	3	0	14	16	C)	0	0 0	0	0
CHROMIUM COMPOUNDS(EXCEP	T N	0	3	3	0	10	12	C)	0	0 0	0	0
COPPER COMPOUNDS	N	0	6	6	0	12	18	C)	0	0 0	0	0
Total for Mcfarland Cascade Holdings	s Inc	0	11	11	0	35	46	0)	0	0 0	0	0
RICHMOND	MONDELEZ	GLOBAL	LLC					6002 S LA	BURNUM	AVE		NAICS Co	de 311821
AMMONIA	N	0	130,472	130,472	0	0	130,472	C)	0	0 0	0	0
Total for Mondelez Global Llc		0	130,472	130,472	0	0	130,472	0)	0	0 0	0	0
RICHMOND	QPI WARSAV	V BULK P	PLANT					11549 HIS	STORYLA	ND HWY		NAICS Co	de 424710
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	C)	0	0 0	0	0
BENZENE	Y	0	0	0	0	0	0	C)	0	0 0	0	0
ETHYLBENZENE	Y	0	0	0	0	0	0	C)	0	0 0	0	0
N-HEXANE	Y	0	0	0	0	0	0	C)	0	0 0	0	0
TOLUENE	Y	0	0	0	0	0	0	C)	0	0 0	0	0
XYLENE (MIXED ISOMERS)	Y	0	0	0	0	0	0	C)	0	0 0	0	0
Total for Qpi Warsaw Bulk Plant		0	0	0	0	0	0	0	1	0	0 0	0	0
RICHMOND	RIVER POOL	S AND SP	PAS					196 SELF	TOWN RD)		NAICS Co	de 326199
METHYL METHACRYLATE	N	671	2,012	2,683	0	0	2,683	C)	0	0 0	0	0
STYRENE	N	6,540	19,620	26,160	0	0	26,160	C)	0	0 0	0	0
Total for River Pools And Spas		7,211	21,632	28,843	0	0	28,843	0)	0	0 0	0	0
Total for Above County: (12 report	ts)	7,211	152,115	159,326	0	35	159,361	0	1	0	0 0	0	0
RICHMOND (CITY)	BELLEMEAD	DE POWE	R STATIO	N				1860 CON	MERCE I	RD		NAICS Co	de 221112
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	C)	0	0 0	0	0

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Facility County/Independent (City			On-Site						agement	ţ	Off-Site	Transfers
Facility Name	•		fı	rom Section	5 of Form	R	Total	fre	om Section	8 of Form R	T ()	from Section	6 of Form R
Facility Name	Audress	Fugitive	Stack	Total			On-Site	Energy			Total On-Site		Total Other
Chemical Name		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment	Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
AMMONIA	N	0	3,540	3,540	0	0	3,540	0)	0	0 0	0	0
NAPHTHALENE	Y	0	0	0	0	0	0	0)	0	0 0	0	0
N-HEXANE	Y	0	0	0	0	0	0	0)	0	0 0	0	0
Total for Bellemeade Power Station		0	3,540	3,540	0	0	3,540	0	1	0	0 0	0	0
RICHMOND (CITY)	CARPENTER	CO RICH	IMOND PL	ANT				2400 JEF	FERSON D	AVIS HWY		NAICS Coo	de 326150
DIISOCYANATES	N	30	265	295	0	0	295	0)	0	0 0	0	24,482
TOLUENE DIISOCYANATE (MIXE	ED I N	37	336	373	0	0	373	0)	0	0 0	0	30,889
Total for Carpenter Co Richmond Pl	ant	67	601	668	0	0	668	0	1	0	0 0	0	55,371
RICHMOND (CITY)	KINDER MO	RGAN TR	ANSMIX C	COMPANY	, LLC			3302 DEE	PWATER	ΓERMINAL	RD	NAICS Coo	de 424710
1,2,4-TRIMETHYLBENZENE	N	130	1	131	0	0	131	0)	0 2	26 26	0	1
BENZENE	N	117	30	147	0	0	147	0)	0 78	35 785	0	1
ETHYLBENZENE	N	32	2	34	0	0	34	0)	0 5	59 59	0	1
N-HEXANE	N	94	27	121	0	0	121	0)	0 70	9 709	0	0
TOLUENE	N	238	34	272	0	1	273	0)	0 88	81 881	0	3
XYLENE (MIXED ISOMERS)	N	299	14	312	0	1	314	0)	0 36	360	0	3
Total for Kinder Morgan Transmix Co	ompany, Llc	909	108	1,017	0	4	1,021	0)	0 2,82	2,820	0	8
RICHMOND (CITY)	PHILIP MOR	RIS USA (COMMERC	CE ROAD S	SITE			3601 CON	MERCE F	RD		NAICS Coo	de 312230
NICOTINE AND SALTS	N	102	10,211	10,313	0	0	10,313	0)	0 92,61	1 92,611	35,528	124,185
Total for Philip Morris Usa Commerc	e Road Site	102	10,211	10,313	0	0	10,313	0)	0 92,61	1 92,611	35,528	124,185
RICHMOND (CITY)	SPRUANCE O	GENCO LI	LC					5001 CON	MERCE F	RD		NAICS Coo	de 221112
BARIUM COMPOUNDS	N	0	0	0	0	73	73	0)	0	0 0	0	0
HYDROCHLORIC ACID (1995 ANI	O A N	0	25,107	25,107	0	0	25,107	0)	0 333,04	333,045	0	0
HYDROGEN FLUORIDE	N	0	3,138	3,138	0	0	3,138	0)	0 41,63	41,631	0	0

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Facility County/Independent C	City			On-Site 1						agement			Transfers
Facility Name	•		fi	rom Section	5 of Form	ı K	Total	fre	om Section 8	8 of Form R	Total	from Sectio	n 6 of Form R
Tuenty Tune	11441 033	Fugitive	Stack	Total			On-Site	Energy			On-Site		Total Other Off-Site
Chemical Name		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment	Management	POTW	Transfers **
-	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
MANGANESE COMPOUNDS	N	0	27	27	0	9	36	0		0	0 0	0	5,558
SULFURIC ACID (1994 AND AFTEI	R"N	31	36	66	0	0	66	0)	0 102,63	5 102,635	0	0
Total for Spruance Genco Llc		31	28,308	28,338	0	82	28,420	0)	0 477,31	1 477,311	0	5,558
RICHMOND (CITY)	STERILIZAT	ION SERV	VICES OF V	VIRGINIA				5674 EAS	TPORT BL	VD		NAICS Co	de 339112
ETHYLENE GLYCOL	N	0	0	0	0	0	0	0)	0	0 0	0	869,728
ETHYLENE OXIDE	N	0	3,497	3,497	0	0	3,497	0)	0 341,62	5 341,625	0	0
Total for Sterilization Services Of Virg	ginia	0	3,497	3,497	0	0	3,497	0)	0 341,62	5 341,625	0	869,728
RICHMOND (CITY)	TCS MATERI	IALS RICI	HMOND PI	LANT				2100 DEE	PWATER 7	ΓERMINAL	ROAD	NAICS Co	de 327320
NITRATE COMPOUNDS	N	0	0	0	0	427	427	0)	0	0 0	0	0
Total for Tcs Materials Richmond Pla	int	0	0	0	0	427	427	0	1	0	0 0	0	0
RICHMOND (CITY)	UPACO ADHI	ESIVES IN	NC					4105 CAS	TLEWOOI) RD		NAICS Co	de 325520
TOLUENE	N	1,149	1,149	2,298	0	0	2,298	0)	0	0 0	0	1,096
XYLENE (MIXED ISOMERS)	N	995	995	1,990	0	0	1,990	0)	0	0 0	0	948
Total for Upaco Adhesives Inc		2,144	2,144	4,288	0	0	4,288	0)	0	0 0	0	2,044
Total for Above County: (23 report	ts)	3,252	48,409	51,661	0	512	52,174	0	1	0 914,36	914,367	35,528	1,056,894
ROANOKE	ACCELLENT	•						200 S. YO	RKSHIRE	STREET		NAICS Co	de 332996
NITRATE COMPOUNDS	N	0	0	0	0	0	0	0)	0 1,56	6 1,566	33,800	33,800
NITRIC ACID	N	0	0	0	0	0	0	0)	0 26,01	8 26,018	0	0
TRICHLOROETHYLENE	N	2,256	0	2,256	0	0	2,256	0)	0	0 0	0	6,400
Total for Accellent		2,256	0	2,256	0	0	2,256	0	1	0 27,58	4 27,584	33,800	40,200
ROANOKE	CARDINAL G	GLASS						2132 CAR	RDINAL PA	RK DR		NAICS Co	de 327215
CHROMIUM	N	0	0	0	0	0	0	0)	0	0 0	0	16,006

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Facility County/Independent C	'itv			On-Site 1					ite Man		ţ	Off-Site 7	Fransfers
, , ,	•		fr	om Section	5 of Form	R		fre	om Section 8	of Form R		from Section	6 of Form R
Facility Name	Address	Fugitive	Stack	Total			Total On-Site	Energy			Total		Total Other
		Air	Stack Air	1 otai Air	Land	Water	Releases	Recovery	Recycling	Treatment	On-Site Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
Total for Cardinal Glass		0	0	0	0	0	0	0	()	0 0	0	16,006
ROANOKE	GRAHAM-WI	HITE MA	NUFACTUI	RING CO.				1242 COL	ORADO ST			NAICS Cod	e 336510
COPPER	N	21	0	21	0	0	21	0	()	0 0	0	9,519
Total for Graham-White Manufacturing	ng Co.	21	0	21	0	0	21	0	()	0 0	0	9,519
ROANOKE	KIK (VIRGIN	IA) LLC						27 MILL	LN			NAICS Cod	e 325612
CHLORINE	N	1	0	1	0	0	1	0	()	0 0	0	0
Total for Kik (Virginia) Llc		1	0	1	0	0	1	0	()	0 0	0	0
ROANOKE	KOPPERS IN	C (ROAN	OKE)					4020 KOP	PERS RD			NAICS Cod	e 321114
CREOSOTE	N	1,700	1,300	3,000	0	1	3,001	0	360,000) 5	360,050	0	13,000
Total for Koppers Inc (Roanoke)		1,700	1,300	3,000	0	1	3,001	0	360,000) 5	360,050	0	13,000
ROANOKE	MEDECO SE	CURITY I	LOCKS INC	2				3625 ALL	EGHENY I	R		NAICS Cod	e 332510
ZINC COMPOUNDS	N	0	1	1	0	24	25	0	()	0 0	1	345,788
Total for Medeco Security Locks Inc		0	1	1	0	24	25	0	()	0 0	1	345,788
ROANOKE	MEDECO SE	CURITY I	LOCKS INC	.				3625 ALL	EGHENY I	R		NAICS Cod	e 332510
COPPER COMPOUNDS	N	0	0	0	0	0	0	0	()	0 0	0	630,839
Total for Medeco Security Locks Inc.		0	0	0	0	0	0	0	()	0 0	0	630,839
ROANOKE	MENNEL MI	LLING CO	OF VIRG	INIA				5185 BEN	OIS RD			NAICS Cod	e 311211
CHLORINE	Y	0	0	0	0	0	0	0	()	0 0	0	0
Total for Mennel Milling Co Of Virgini	a	0	0	0	0	0	0	0	()	0 0	0	0
ROANOKE	NEW MILLE	NNIUM B	UILDING S	YSTEMS				100 DIUG	UIDS LANI	E		NAICS Cod	e 332312
CERTAIN GLYCOL ETHERS	N	17,217	0	17,217	0	0	17,217	0	()	0 0	0	0
MANGANESE	N	171	0	171	0	0	171	0	()	0 0	0	63,842

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Facility County/Independent	City		()n-Site l	Release	S			Site Man	0		Off-Site	Transfers
	•		fr	om Section	5 of Form	R		fr	om Section 8	8 of Form R		from Sectio	n 6 of Form R
Facility Nam	e/Address	Fugitive	Stack	T-4-1			Total On-Site	Energy			Total		Total Other
		Air	Air	Total Air	Land	Water	Releases	Recovery	Recycling	Treatment	On-Site Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
NICKEL	N	1	0	1	0	0	1	. ()	0	0 0	0	5,257
Total for New Millennium Building S	systems	17,389	0	17,389	0	0	17,389	()	0	0 0	0	69,099
ROANOKE	NOVOZYME	S						420 KESI	LER MILL	RD		NAICS Co	de 325414
NITRATE COMPOUNDS	N	0	0	0	0	0	C) ()	0	0 0	0	29
Total for Novozymes		0	0	0	0	0	0	()	0	0 0	0	29
ROANOKE	SAFETY-KLI	EEN SYST	EMS VINT	ON (ROA)				16090 ST	EWARTSV	ILLE RD		NAICS Co	de 562112
ETHYLENE GLYCOL	N	0	3	3	0	0	3	3)	0	0 0	0	180,257
Total for Safety-Kleen Systems Vin	ton (Roa)	0	3	3	0	0	3	3 ()	0	0 0	0	180,257
ROANOKE	TECTON PRO	ODUCTS I	LLC					5415 COI	RPORATE (CIR		NAICS Co	de 326199
STYRENE	N	0	434	434	0	0	434	. ()	0 36,98	36,982	0	87
Total for Tecton Products Llc		0	434	434	0	0	434	. ()	0 36,98	36,982	0	87
ROANOKE	VIRGINIA TI	RANSFOR	MER COR	Р.				220 GLA	DE VIEW D	R NE		NAICS Co	de 335311
XYLENE (MIXED ISOMERS)	N	4,944	2,444	7,388	0	0	7,388	3	96	5	0 965	0	0
Total for Virginia Transformer Corp.		4,944	2,444	7,388	0	0	7,388	3 (96	5	0 965	0	0
ROANOKE	YOKOHAMA	TIRE MA	NUFACTU	RING VIR	GINIA LI	LC		1500 IND	IANA ST			NAICS Co	de 326211
ZINC COMPOUNDS	N	4,098	0	4,098	0	0	4,098	3)	0	0 0	18	18,440
Total for Yokohama Tire Manufactu	ring Virginia Llc	4,098	0	4,098	0	0	4,098	6)	0	0 0	18	18,440
Total for Above County: (18 repo	rts)	30,408	4,182	34,590	0	25	34,615	i (360,96	64,6	16 425,581	33,819	1,323,264
ROANOKE (CITY)	AKZO NOBE	L COATI	NGS INC					2837 ROA	ANOKE AV	E SW		NAICS Co	de 325510
1,2,4-TRIMETHYLBENZENE	N	284	0	284	0	0	284	. ()	0	0 0	0	6,031
ETHYLBENZENE	N	1,017	5	1,022	0	0	1,022	2)	0	0 0	0	3,619
METHANOL	N	1,839	83	1,922	0	0	1,922	2)	0	0 0	0	13,527

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Facility County/Independent (City			On-Site l						agement	•	Off-Site	Transfers
• • •	•		fı	rom Section	5 of Form	R		fr	om Section	8 of Form R		from Section	n 6 of Form R
Facility Name	/Address	E:4:	Stack	Total			Total On-Site	Energy			Total		Total Other
		Fugitive Air	Air	1 otai Air	Land	Water	Releases	Recovery	Recycling	Treatment	On-Site Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
METHYL ISOBUTYL KETONE	N	5,278	0	5,278	0	0	5,278	()	0	0 0	0	6,031
N-BUTYL ALCOHOL	N	2,598	0	2,598	0	0	2,598	()	0	0 0	0	15,680
TOLUENE	N	2,873	41	2,914	0	0	2,914)	0	0 0	0	25,327
XYLENE (MIXED ISOMERS)	N	4,379	11	4,390	0	0	4,390	()	0	0 0	0	37,387
Total for Akzo Nobel Coatings Inc		18,268	140	18,408	0	0	18,408	O)	0	0 0	0	107,602
ROANOKE (CITY)	ARDAGH ME	TAL PAC	CKAGING U	USA INC				5022 HOI	LLINS RD			NAICS Co	ode 332431
CERTAIN GLYCOL ETHERS	N	0	3,300	3,300	0	0	3,300	()	0 179,00	0 179,000	0	7,440
CHROMIUM	N	0	0	0	0	0	0	()	0	0 0	0	95,600
COPPER	N	0	0	0	0	250	250	()	0	0 0	0	7,400
MANGANESE	N	0	0	0	0	0	0	()	0	0 0	0	108,400
N-BUTYL ALCOHOL	N	0	11,600	11,600	0	0	11,600	()	0 640,00	0 640,000	0	16,300
Total for Ardagh Metal Packaging Us	sa Inc	0	14,900	14,900	0	250	15,150	O)	0 819,00	0 819,000	0	235,140
ROANOKE (CITY)	CHEMSOLV	INC						1140 IND	USTRY AV	E SE		NAICS Co	de 424690
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	()	0	0 0	0	0
AMMONIA	Y	0	0	0	0	0	0	()	0	0 0	0	0
BUTYL ACRYLATE	Y	0	0	0	0	0	0	()	0	0 0	0	0
CYCLOHEXANE	Y	0	0	0	0	0	0	()	0	0 0	0	0
DICHLOROMETHANE	N	996	0	996	0	0	996	()	0	0 0	0	0
DIETHANOLAMINE	Y	0	0	0	0	0	0	C)	0	0 0	0	0
ETHYLENE GLYCOL	Y	0	0	0	0	0	0	C)	0	0 0	0	0
FORMALDEHYDE	Y	0	0	0	0	0	0	()	0	0 0	0	0
METHANOL	N	472	526	998	0	0	998	()	0	0 0	0	19
METHYL ISOBUTYL KETONE	Y	0	0	0	0	0	0	()	0	0 0	0	0

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Facility County/Independent	City			On-Site 1						nagemen			Transfers
	·		fr	om Section	5 of Form	R	70. 4.1	fr	om Section	8 of Form R		from Section	n 6 of Form R
Facility Name	e/Auuress	Fugitive	Stack	Total			Total On-Site	Energy			Total On-Site		Total Other
		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment	Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
N-BUTYL ALCOHOL	Y	0	0	0	0	0	0	()	0	0 0	0	0
N-HEXANE	Y	0	0	0	0	0	0	()	0	0 0	0	0
NITRIC ACID	Y	0	0	0	0	0	0	()	0	0 0	0	0
N-METHYL-2-PYRROLIDONE	Y	0	0	0	0	0	0	()	0	0 0	0	0
TOLUENE	N	213	388	601	0	0	601	()	0	0 0	0	0
XYLENE (MIXED ISOMERS)	N	63	51	114	0	0	114	. ()	0	0 0	0	0
Total for Chemsolv Inc		1,744	965	2,709	0	0	2,709	0)	0	0 0	0	19
ROANOKE (CITY)	STEEL DYNA	MICS IN	C ROANOR	KE BAR DI	V			102 WES	TSIDE BLV	/D		NAICS Co	ode 331110
CHROMIUM COMPOUNDS(EXCE	EPT N	13	35	48	0	0	48	()	0	0 0	0	59,157
COPPER COMPOUNDS	N	2	32	34	0	55	89	()	0	0 0	0	34,956
MANGANESE COMPOUNDS	N	133	962	1,095	0	0	1,095	0)	0	0 0	0	395,065
NICKEL COMPOUNDS	N	1	4	5	0	0	5	()	0	0 0	0	3,652
ZINC COMPOUNDS	N	28	1,931	1,959	0	353	2,312	()	0	0 0	0	2,948,246
Total for Steel Dynamics Inc Roano	ke Bar Div	177	2,964	3,141	0	408	3,549	O)	0	0 0	0	3,441,076
Total for Above County: (33 repo	rts)	20,189	18,969	39,158	0	658	39,816	O)	0 819,0	819,000	0	3,783,837
ROCKBRIDGE	MODINE MA	NUFACTI	URING CO					1221 MA	GNOLIA A	VE		NAICS Co	ode 333414
CHROMIUM	N	0	0	0	0	0	0	()	0	0 0	0	35,625
COPPER	N	8	31	39	0	1	39	()	0	0 0	2	1,960
NICKEL	N	0	0	0	0	0	0	()	0	0 0	0	5,225
Total for Modine Manufacturing Co		8	31	39	0	1	39	O)	0	0 0	2	42,810
ROCKBRIDGE	MUNTERS							225 S MA	GNOLIA A	AVE		NAICS Co	ode 333415
CHROMIUM	N	0	0	0	0	0	0	()	0	0 0	0	50,309

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Facility County/Independent	City			On-Site						nagemen			Transfers
	· ·		fı	rom Section	5 of Form	R		fre	om Section	8 of Form R		from Section	1 6 of Form R
Facility Nam	e/Address	E '4'	G4 I	T 1			Total	Energy			Total		Total Other
		Fugitive Air	Stack Air	Total Air	Land	Water	On-Site Releases	Recovery	Recycling	Treatment	On-Site Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
COPPER	N	0	0	0	· ·	0	0	0	4	0	0 0	<i>d</i> ,	6,644
MANGANESE	N	0	0	0	0	0	0	0)	0	0 0	0	29,738
NICKEL	N	0	0	0	0	0	0	0)	0	0 0	0	44,392
ZINC COMPOUNDS	N	0	0	0	0	0	0	0)	0	0 0	0	50,024
Total for Munters		0	0	0	0	0	0	0)	0	0 0	0	181,107
ROCKBRIDGE	MUNTERS C	ORPORAT	ΓΙΟΝ					43 DOUG	LAS WAY			NAICS Co	de 333415
CHROMIUM	N	0	0	0	0	0	0	0)	0	0 0	0	53
MANGANESE	N	0	0	0	0	0	0	0)	0	0 0	0	106
NICKEL	N	0	0	0	0	0	0	0)	0	0 0	0	121
Total for Munters Corporation		0	0	0	0	0	0	0)	0	0 0	0	280
ROCKBRIDGE	STELLA JON	ES CORP	-GOSHEN	FACILITY				9223 MAU	U RY RIVE I	R RD		NAICS Co	de 321114
COPPER COMPOUNDS	Y	0	0	0	0	0	0	0)	0	0 0	0	0
CREOSOTE	N	3,361	2,533	5,894	0	0	5,894	0)	0	0 0	0	7,630
Total for Stella Jones Corp-Gosher	n Facility	3,361	2,533	5,894	0	0	5,894	0)	0	0 0	0	7,630
Total for Above County: (13 repo	orts)	3,369	2,564	5,933	0	1	5,933	0	1	0	0 0	2	231,827
ROCKINGHAM	CARGILL MI	EAT SOLU	ITIONS IN	C				135 HUFF	MAN DR			NAICS Co	de 311615
AMMONIA	N	0	319	319	0	0	319	0)	0	0 0	8,002	0
NITRATE COMPOUNDS	N	0	0	0	0	0	0	0)	0 32,2:	51 32,251	29,573	0
NITRIC ACID	N	0	0	0	0	0	0	0)	0 23,90	06 23,906	0	0
PERACETIC ACID	N	0	0	0	0	0	0	0)	0 151,92	21 151,921	0	0
Total for Cargill Meat Solutions Inc		0	319	319	0	0	319	0)	0 208,07	78 208,078	37,575	0
ROCKINGHAM	GEORGE'S F	OODS, LL	.C. PROCE	SSING PL	ANT			501 N LIE	BERTY ST			NAICS Co	de 311615

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^{***} BAE SYSTEMS, ORDINANCE SYSTEMS INC. AND RADFORD ARMY AMMUNITION ARE THE SAME FACILITY, REPORTING UNDER TWO SEPERATE IDSTHE SUMMARY REPORT REFLECTS ONLY ONE SET OF DATA VALUES FOR TOTALS.

Facility County/Independent City)n-Site I						agement			Transfers
Facility Name/Address		fr	om Section	5 of Form	R	70. 4.1	fro	om Section 8	of Form R		from Section	6 of Form R
racinty Name/Address	Fugitive	Stack	Total			Total On-Site	Energy			Total On-Site		Total Other
CL . LN	Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment	Management	POTW	Off-Site Transfers **
Chemical Name form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
PERACETIC ACID N	0	0	0	0	0	0	0	(90,253	90,253	0	0
Total for George'S Foods, Llc. Processing Plant	0	0	0	0	0	0	0	(90,25	90,253	0	0
ROCKINGHAM LSC COMMU	NICATIO	NS / HARR	SISONBUR	G N			2347 KRA	TZER RD			NAICS Coo	le 323117
CERTAIN GLYCOL ETHERS N	12,258	5,121	17,379	0	0	17,379	0	() (0	0	1,188
Total for Lsc Communications / Harrisonburg N	12,258	5,121	17,379	0	0	17,379	0	() (0	0	1,188
ROCKINGHAM MERCK SHA	RP & DOI	HME CORE	P.				2778 SE S	IDE HWY			NAICS Coo	le 325412
ACETONITRILE N	3,387	328	3,715	0	0	3,715	0	(4,800	4,806	0	162,142
ETHYLENE GLYCOL N	76	0	76	0	5,187	5,263	0	(7,690	7,696	0	0
METHANOL N	8,758	2,091	10,849	0	0	10,849	0	65,805	148,18	7 213,992	0	367,948
NITRATE COMPOUNDS N	0	0	0	0	0	0	0	(39,684	39,684	0	0
Total for Merck Sharp & Dohme Corp.	12,221	2,419	14,640	0	5,187	19,827	0	65,80	200,37	3 266,178	0	530,090
ROCKINGHAM MILLERCOO	RS-SHEN	ANDOAH					5135 S EA	STSIDE H	WY		NAICS Coo	le 312120
AMMONIA N	645	1,240	1,885	35,506	2,052	39,443	0	(35,500	35,506	0	0
FORMIC ACID N	0	0	0	0	0	0	0	(16,930	16,930	0	0
NITRATE COMPOUNDS N	615	0	615	2,129	5,145	7,889	0	() (0	0	0
Total for Millercoors-Shenandoah	1,260	1,240	2,500	37,635	7,197	47,332	0	(52,430	52,436	0	0
ROCKINGHAM PILGRIM'S P	RIDE CO	RP BROAD	WAY FAC	ILITY			330 CO-O	P DR			NAICS Coo	le 311615
AMMONIA N	0	0	0	0	0	0	0	() (0	30,913	30,913
PERACETIC ACID N	0	0	0	0	0	0	0	(120,996	120,996	0	0
Total for Pilgrim'S Pride Corp Broadway Facility	0	0	0	0	0	0	0	(120,99	120,996	30,913	30,913
ROCKINGHAM VALLEY PRO	OTEINS IN	NC LINVIL	LE FACILI	TY			6230 KRA	TZER RD			NAICS Coo	le 311613
AMMONIA N	0	1,170	1,170	2,482	0	3,652	0	(33,95	7 33,957	0	0

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Facility County/Independent	City			On-Site						agement		Off-Site	Transfers
• • •	•		fı	om Section	5 of Form	R		fr	om Section 8	8 of Form R		from Sectio	<u>n 6 of Form R</u>
Facility Name	e/Address	E:4:	C41-	T-4-1			Total On-Site	Energy			Total		Total Other
		Fugitive Air	Stack Air	Total Air	Land	Water	On-Site Releases	Recovery	Recycling	Treatment	On-Site Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
CHLORINE DIOXIDE	N	0	0	0	14,839	0	14,839	()	0	0 0	0	0
Total for Valley Proteins Inc Linville	Facility	0	1,170	1,170	17,321	0	18,491	0)	0 33,95	7 33,957	0	0
ROCKINGHAM	VPGC LLC B	ROADWA	Y FEEDM	IL				410 S MA	IN ST			NAICS Co	de 311119
COPPER COMPOUNDS	Y	0	0	0	0	0	0	()	0	0 0	0	0
MANGANESE COMPOUNDS	Y	0	0	0	0	0	0	()	0	0 0	0	0
ZINC COMPOUNDS	Y	0	0	0	0	0	0	()	0	0 0	0	0
Total for Vpgc Llc Broadway Feedm	nil	0	0	0	0	0	0	O)	0	0 0	0	0
ROCKINGHAM	VPGC LLC H	INTON FA	ACILITY					6349 RAV	VLEY PIKE	E HWY 33 W	Æ.	NAICS Co	de 311615
NITRATE COMPOUNDS	N	0	0	0	0	49,636	49,636	()	0 667,04	6 667,046	0	0
Total for Vpgc Llc Hinton Facility		0	0	0	0	49,636	49,636	0)	0 667,04	6 667,046	0	0
ROCKINGHAM	WWF OPERA	TING CO	ı					6364 S VA	ALLEY PIK	E		NAICS Co	de 311511
AMMONIA	N	0	0	0	0	0	0	()	0	0 0	0	0
NITRATE COMPOUNDS	N	0	0	0	0	0	0	()	0	0 0	0	326,074
NITRIC ACID	N	0	0	0	0	0	0	()	0 362,30	4 362,304	0	0
Total for Wwf Operating Co		0	0	0	0	0	0	O		0 362,30	4 362,304	0	326,074
Total for Above County: (24 repo	rts)	25,739	10,269	36,008	54,956	62,020	152,984	O	65,80	1,735,44	1,801,248	68,488	888,264
RUSSELL	SAMUEL PRI	ESSURE V	ESSEL GR	OUP - LEI	BANON			58 SAMU	EL WAY			NAICS Co	de 332420
CHROMIUM	N	6	0	6	0	5	11	()	0	0 0	0	2,813
MANGANESE	N	72	0	72	0	17	89	()	0	0 0	0	31,267
NICKEL	N	4	0	4	. 0	5	9	()	0	0 0	0	3,375
Total for Samuel Pressure Vessel G	Group - Lebanon	82	0	82	0	27	109	O)	0	0 0	0	37,455
Total for Above County: (3 report	ts)	82	0	82	0	27	109	O)	0	0 0	0	37,455

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^{***} BAE SYSTEMS, ORDINANCE SYSTEMS INC. AND RADFORD ARMY AMMUNITION ARE THE SAME FACILITY, REPORTING UNDER TWO SEPERATE IDSTHE SUMMARY REPORT REFLECTS ONLY ONE SET OF DATA VALUES FOR TOTALS.

Facility County/Independent (City			On-Site						nagemen		Off-Site 7	
Facility Name	•		fi	rom Section	15 of Form	R	Tr. 4.1	fr	om Section	8 of Form R		from Section	
racinty Name	Audiess	Fugitive	Stack	Total			Total On-Site	Energy			Total On-Site		Total Other
CL · LN		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment		POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
SALEM (CITY)	GE DRIVES &	& CONTR	OLS					1501 ROA	NOKE BL	VD		NAICS Cod	e 335314
COPPER	N	0	0	(0	2	2	2)	0	0 0	1	37,000
Total for Ge Drives & Controls		0	0	0	0	2	2	e o)	0	0 0	1	37,000
SALEM (CITY)	NOVOZYMES	S BIOLOG	GICALS IN	C				528 CHAI	PMAN ST			NAICS Cod	e 325414
NITRATE COMPOUNDS	N	0	0	(0	0	0))	0	0 0	0	15
Total for Novozymes Biologicals Inc		0	0	O	0	0	0	o)	0	0 0	0	15
SALEM (CITY)	QUALICHEM	I, INC PL	ANT 1					2003 SAL	EM INDUS	STRIAL DR		NAICS Cod	e 325998
2-PHENYLPHENOL	Y	0	0	(0	0	0))	0	0 0	0	0
3-IODO-2-PROPYNYL BUTYLCAR	В ү	0	0	(0	0	0	0)	0	0 0	0	0
CERTAIN GLYCOL ETHERS	Y	0	0	(0	0	0	0)	0	0 0	0	0
Total for Qualichem, Inc Plant 1		0	0	0	0	0	0	O)	0	0 0	0	0
SALEM (CITY)	QUALICHEM	I, INC. PL	ANT 2					510 BRAN	NCH DR			NAICS Cod	e 325998
HYDRAZINE	Y	0	0	(0	0	0	()	0	0 0	0	0
SODIUM NITRITE	Y	0	0	(0	0	0	()	0	0 0	0	0
Total for Qualichem, Inc. Plant 2		0	0	0	0	0	0	O)	0	0 0	0	0
Total for Above County: (7 reports	s)	0	0	O	0	2	2	e o)	0	0 0	1	37,015
SCOTT	TEMPUR PRO	ODUCTIO	N USA INC	C				203 TEM	PURPEDIO	C DR		NAICS Cod	e 337910
TOLUENE DIISOCYANATE (MIXE	DI N	5	5	10	0	0	10	()	0	0 0	0	1,898
Total for Tempur Production Usa Inc	;	5	5	10	0	0	10	o)	0	0 0	0	1,898
Total for Above County: (1 record)	5	5	10	0	0	10	o)	0	0 0	0	1,898
SHENANDOAH	GEORGE'S C	HICKEN	LLC					19992 SE	NEDO RD			NAICS Cod	e 311615

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Facility County/Independent	City		(On-Site 1	Release	S	On-Site Management from Section 8 of Form R					Off-Site	Transfers
	-		fı	rom Section	5 of Form	R		fr	om Section 8	8 of Form R		from Section	n 6 of Form R
Facility Name	e/Address	E '4'	64 1	TF 4 1			Total	Energy			Total		Total Other
		Fugitive Air	Stack Air	Total Air	Land	Water	On-Site Releases	Recovery	Recycling	Treatment	On-Site Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
NITRATE COMPOUNDS	N	0	0	0	0	42,940	42,940	()	0 6,348,395	5 6,348,395	0	1,691
PERACETIC ACID	N	0	0	0	0	0	0	()	0 216,000	216,000	0	0
Total for George'S Chicken Llc		0	0	0	0	42,940	42,940	O)	0 6,564,39	5 6,564,395	0	1,691
SHENANDOAH	HOWELL ME	ETAL CO						574 DEPO	OT RD			NAICS Co	de 331420
COPPER	N	0	23	23	0	0	23	()	0	0 0	0	228,822
Total for Howell Metal Co		0	23	23	0	0	23	O)	0	0 0	0	228,822
SHENANDOAH	LSC COMMU	NICATIO	NS / STRA	SBURG				ONE SHE	ENANDOAF	I VALLEY I	OR	NAICS Co	de 323111
CERTAIN GLYCOL ETHERS	N	4,031	57	4,088	0	0	4,088	()	0 11,319	9 11,319	88	0
Total for Lsc Communications / Stra	asburg	4,031	57	4,088	0	0	4,088	O)	0 11,31	9 11,319	88	0
SHENANDOAH	MASCO CAB	INETRY						1325 IND	USTRIAL P	PARK RD		NAICS Co	de 337110
ETHYLBENZENE	N	373	4,081	4,454	0	0	4,454)	0 6,476	6,476	0	6,853
TOLUENE	N	774	1,609	2,383	0	0	2,383	()	0 13,48	1 13,481	0	13,070
XYLENE (MIXED ISOMERS)	N	1,737	19,177	20,914	0	0	20,914)	0 30,190	30,190	0	31,648
Total for Masco Cabinetry		2,884	24,867	27,751	0	0	27,751	0)	0 50,14	7 50,147	0	51,571
SHENANDOAH	NEW MARKI	ET POULT	TRY LLC					145 OLD	EAST CRO	SS ROAD		NAICS Co	de 311615
NITRATE COMPOUNDS	N	0	0	0	0	62,600	62,600	()	0 196,900	196,900	170	260
Total for New Market Poultry Llc		0	0	0	0	62,600	62,600	O)	0 196,90	196,900	170	260
Total for Above County: (8 repor	ts)	6,915	24,947	31,862	0	105,540	137,402	o)	0 6,822,76	1 6,822,761	258	282,344
SMYTH	SUPERIOR C	ARRIERS	SINC					4625 LEE	HWY			NAICS Co	de 325998
N-BUTYL ALCOHOL	N	250	0	250	0	0	250	()	0	0 0	0	0
Total for Superior Carriers Inc		250	0	250	0	0	250	O)	0	0 0	0	0
SMYTH	UTILITY TRA	AILER MI	FG. CO.					124 MOU	NTAIN EM	PIRE ROAL)	NAICS Co	de 336212

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Facility County/Independent C	ity			On-Site 1						agement			Transfers
Facility Name/	•		fr	om Section	5 of Form	R	Total	fr	om Section	8 of Form R	Total	from Sectio	n 6 of Form R Total Other
1 Wolling 1 Williams		Fugitive	Stack	Total			On-Site	Energy			On-Site		Off-Site
Chemical Name		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment	Management	POTW	Transfers **
	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
CHROMIUM	N	0	6	6	0	0	6	()	0	0 0	0	122,789
DIISOCYANATES	N	0	0	0	0	0	0	()	0	0 0	0	0
MANGANESE	N	0	19	19	0	0	19	()	0	0 0	0	75,187
NICKEL	N	0	2	2	0	0	2	()	0	0 0	0	39,351
Total for Utility Trailer Mfg. Co.		0	27	27	0	0	27	O)	0	0 0	0	237,327
Total for Above County: (5 reports)	250	27	277	0	0	277	O)	0	0 0	0	237,327
SOUTHAMPTON	ARKEMA INC	C FRANK	LIN PLAN	Γ				27047 SH	ADY BROO	OK TRAIL		NAICS Co	de 325199
TERT-BUTYL ALCOHOL	N	250	250	500	0	0	500	()	0	0 0	0	113,250
Total for Arkema Inc Franklin Plant		250	250	500	0	0	500	O)	0	0 0	0	113,250
SOUTHAMPTON	ATLANTIC P	OLE & PI	LING - NE	WSOMS				21366 GE	NERAL TI	HOMAS HW	VΥ	NAICS Co	de 321114
ARSENIC COMPOUNDS	N	0	0	0	0	8	8	()	0	0 0	0	0
CHROMIUM COMPOUNDS(EXCEP	T N	0	0	0	0	9	9	()	0	0 0	0	0
COPPER COMPOUNDS	N	0	0	0	0	4	4)	0	0 0	0	0
Total for Atlantic Pole & Piling - News	oms	0	0	0	0	21	21	O)	0	0 0	0	0
SOUTHAMPTON	SOLENIS LLO	C						27123 SH	ADY BROO	OK TRAIL		NAICS Co	de 325199
1,2-DICHLOROPROPANE	N	3,298	504	3,802	0	46	3,848	()	0	0 0	0	200
HYDROCHLORIC ACID (1995 AND	A N	24,000	2,800	26,800	0	0	26,800	()	0	0 0	0	0
TRIETHYLAMINE	N	4,266	627	4,893	0	5	4,898	()	0	0 0	0	158,500
Total for Solenis Llc		31,564	3,931	35,495	0	51	35,546	C)	0	0 0	0	158,700
Total for Above County: (7 reports)	31,814	4,181	35,995	0	72	36,067	o)	0	0 0	0	271,950
SPOTSYLVANIA	CMC REBAR							9434 CRO	SSROADS	PKWY		NAICS Co	ode 332312
NICKEL COMPOUNDS	Y	0	0	0	0	0	0	()	0	0 0	0	0

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Facility (bilary/independent (ity									Off-Site T	ransfers			
, , ,	•		fr	om Section	5 of Form	ı R		fre	om Section	8 of Form R		from Section 6	of Form R
Facility Name	Address						Total	E			Total	Т	otal Other
		Fugitive	Stack	Total		XX7 4	On-Site	Energy	D !!	TF 4 4	On-Site	DOTW '	Off-Site Transfers **
Chemical Name	form A*	Air (pounds)	Air (pounds)	Air (pounds)	Land (pounds)	Water (pounds)	Releases (pounds)	Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Management (pounds)	POTW (pounds)	(pounds)
Total for Cmc Rebar		0	0	0	0	0	0	0	4	0	0 0	u ,	0
SPOTSYLVANIA	OLDCASTLE	PRECAS	T INC					5115 MAS	SSAPONAX	K CHURCH	RD	NAICS Code	327390
MANGANESE COMPOUNDS	N	0	2	2	274	0	276	0)	0	0 0	0	4,230
Total for Oldcastle Precast Inc		0	2	2	274	0	276	0	1	0	0 0	0	4,230
SPOTSYLVANIA	ONDULINE N	JA						4900 ONE	URA DR			NAICS Code	324122
CERTAIN GLYCOL ETHERS	N	614	20,570	21,185	0	0	21,185	0)	0	0 0	0	0
CHROMIUM COMPOUNDS(EXCE	PT N	0	0	0	0	0	0	0)	0	0 0	0	899
Total for Onduline Na		614	20,570	21,185	0	0	21,185	0)	0	0 0	0	899
SPOTSYLVANIA	RUFFIN CRE	EK PROP	ERTIES LI	L C				10229 TII	DEWATER	TRAIL		NAICS Code	321114
COPPER COMPOUNDS	N	0	0	0	0	0	0	0)	0	0 0	0	0
Total for Ruffin Creek Properties Llc		0	0	0	0	0	0	0)	0	0 0	0	0
SPOTSYLVANIA	SPOTSYLVA	NIA PLAN	ΝΤ					8520 IND	IAN HILLS	S CT.		NAICS Code	327320
NITRATE COMPOUNDS	N	0	0	0	0	0	0	0)	0	0 0	0	0
Total for Spotsylvania Plant		0	0	0	0	0	0	0)	0	0 0	0	0
SPOTSYLVANIA	VIRGINIA CO	ONCRETE	SPOTSYL	VANIA PL	ANT			6110 SMI	TH STATIO	ON ROAD		NAICS Code	327320
NITRATE COMPOUNDS	N	0	0	0	0	182	182	0)	0	0 0	0	0
Total for Virginia Concrete Spotsylva	nia Plant	0	0	0	0	182	182	0)	0	0 0	0	0
Total for Above County: (7 reports	s)	614	20,572	21,187	274	182	21,643	0	1	0	0 0	0	5,129
STAFFORD	COLONIAL O	CIRCUITS	INC.					1026 WAI	RRENTON	RD		NAICS Code	334412
COPPER	N	0	0	0	0	0	0	0)	0	0 0	12	1,320
Total for Colonial Circuits Inc.		0	0	0	0	0	0	0)	0	0 0	12	1,320

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^{**} TOTAL OTHER OFF-SITE TRANSFERS = ALL OF FORM R SECTION 6.2 OFF-SITE TRANSFERS (DISPOSAL + TREATMENT + ENERGY RECOVERY + RECYCLING)

^{***} BAE SYSTEMS, ORDINANCE SYSTEMS INC. AND RADFORD ARMY AMMUNITION ARE THE SAME FACILITY, REPORTING UNDER TWO SEPERATE IDSTHE SUMMARY REPORT REFLECTS ONLY ONE SET OF DATA VALUES FOR TOTALS.

Facility County/Independent	·City			On-Site						agement		Off-Site	Transfers
	•		fr	om Section	5 of Form	R		fro	om Section 8	8 of Form R		from Section	n 6 of Form R
Facility Nan	ie/Address		Q	m			Total	Enougy			Total		Total Other
		Fugitive Air	Stack Air	Total Air	Land	Water	On-Site Releases	Energy	Dogwaling	Tucatment	On-Site	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	Land (pounds)	(pounds)	(pounds)	Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Management (pounds)	(pounds)	(pounds)
STAFFORD	MAPEI CORI	P	,	7		4	u /	300 NELN	AS CIR	4 /	4	NAICS Co	de 325520
LITHIUM CARBONATE	Y	0	0	0	0	0	0	0		0	0 0	0	0
Total for Mapei Corp		0	0	0	0	0	0	0		0	0 0	0	0
STAFFORD	U.S. DOJ FBI	TRAININ	G ACADEN	MY				MCB-4 B	UILDING 1	5-FMU		NAICS Co	de 921110
COPPER COMPOUNDS	N	5	5	10	0	0	10	0		0	0	0	16,175
Total for U.S. Doj Fbi Training Aca	demy	5	5	10	0	0	10	0		0	0 0	0	16,175
Total for Above County: (3 repo	rts)	5	5	10	0	0	10	0		0	0 0	12	17,495
SUFFOLK (CITY)	BASF CORP							2301 WIL	ROY RD			NAICS Co	de 325199
ACRYLAMIDE	N	35	76	111	0	0	111	0		0 59,03	59,038	93,400	95,791
ACRYLIC ACID	N	120	73	193	0	0	193	0		0 45,000	45,000	2,360	2,747
ACRYLONITRILE	N	88	1,178	1,266	0	0	1,266	0		0 10,593	3 10,593	2	22
AMMONIA	N	20	4,103	4,123	0	0	4,123	0		0 1,61	1,611	1,585	2,315
ETHYL ACRYLATE	N	21	138	159	0	0	159	0		0 270	5 276	94	252
METHANOL	N	541	4,753	5,294	0	0	5,294	0	4,642,22	5 38,300	4,680,525	14,560	24,414
Total for Basf Corp		825	10,321	11,146	0	0	11,146	0	4,642,22	5 154,81	8 4,797,043	112,001	125,541
SUFFOLK (CITY)	CAMERON C	CHEMICA	L INC.					830 OLD	DILL RD.			NAICS Co	de 325314
COPPER COMPOUNDS	N	250	250	500	0	5	505	0		0	0	0	0
MANGANESE COMPOUNDS	N	250	250	500	0	5	505	0		0	0	0	0
ZINC COMPOUNDS	N	250	250	500	0	5	505	0		0	0	0	0
Total for Cameron Chemical Inc.		750	750	1,500	0	15	1,515	0		0	0 0	0	0
Total for Above County: (9 repo	rts)	1,575	11,071	12,646	0	15	12,661	0	4,642,22	25 154,81	8 4,797,043	112,001	125,541

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Facility County/Independent	City			On-Site						nagemen		Off-Site T	ransfers
	· ·		fı	rom Section	5 of Form	ı R		fr	om Section	8 of Form R		from Section	<u> 6 of Form R</u>
Facility Nam	ie/Address	E '4'	G ₄ 1	Tr. 4.1			Total	Energy			Total	ŗ.	Total Other
		Fugitive Air	Stack Air	Total Air	Land	Water	On-Site Releases	Recovery	Recycling	Treatment	On-Site	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	Management (pounds)	(pounds)	(pounds)
SUSSEX	MURPHY-BR	ROWN LL	C WAVERI	· /	MILL	<u> </u>	u /	27404 CA	BIN POIN	ΓRD	4 /	NAICS Code	311119
COPPER COMPOUNDS	N	0	3	3	0	0	3	()	0	0 0	0	5
ZINC (FUME OR DUST)	N	0	3	3	0	0	3	6)	0	0 0	0	5
Total for Murphy-Brown Llc Waverl	y Feed Mill	0	6	6	0	0	6	o)	0	0 0	0	10
Total for Above County: (2 report	rts)	0	6	6	0	0	6	o o)	0	0 0	0	10
VIRGINIA BEACH (CITY)	PAPCO INC							4920 SOU	THERN BI	LVD		NAICS Code	e 424710
NAPHTHALENE	Y	0	0	0	0	0	0))	0	0 0	0	0
TOLUENE	Y	0	0	0	0	0	0))	0	0 0	0	0
Total for Papco Inc		0	0	0	0	0	0	O)	0	0 0	0	0
VIRGINIA BEACH (CITY)	STIHL INC							536 VIKI	NG DR			NAICS Code	333112
N-HEXANE	N	60	7,616	7,676	0	0	7,676	6)	0	0 0	0	0
TOLUENE	N	30	3,808	3,838	3 0	0	3,838	6)	0	0 0	0	0
Total for Stihl Inc		90	11,424	11,514	0	0	11,514	. 0)	0	0 0	0	0
VIRGINIA BEACH (CITY)	TITAN VIRG	INIA REA	DY-MIX L	LC-LEESB	BURG PLA	ANT		42105 CO	CHRAN M	ILL RD		NAICS Code	327320
NITRATE COMPOUNDS	N	0	0	0	0	0	0	()	0	0 0	0	0
Total for Titan Virginia Ready-Mix I	Llc-Leesburg Plant	0	0	0	0	0	0	O)	0	0 0	0	0
VIRGINIA BEACH (CITY)	US NAVY NA	VAL AIR	STATION	OCEANA I	BASE			1750 TON	MCAT BLV	D		NAICS Code	928110
NAPHTHALENE	N	102	571	673	0	1	674	()	0 83	33 833	0	0
Total for Us Navy Naval Air Station	Oceana Base	102	571	673	0	1	674	·)	0 8	33 833	0	0
Total for Above County: (6 report	rts)	192	11,995	12,187	0	1	12,188	c c)	0 8	33 833	0	0
WARREN	AXALTA CO	ATING SY	STEMS US	SA LLC-FF	RONT RO	YAL PLAN	Т	7961 WIN	CHESTER	RD		NAICS Code	325510

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2018 Toxics Release Inventory

Appendix F On-Site Releases **Off-Site Transfers On-Site Management Facility County/Independent City** from Section 5 of Form R from Section 8 of Form R from Section 6 of Form R Facility Name/Address Total Total **Total Other** Energy **Fugitive** Stack Total On-Site On-Site Off-Site POTW Transfers ** Air Air Air Land Water Releases Recovery Recycling Treatment Management Chemical Name form A' (pounds) 1.2.4-TRIMETHYLBENZENE 8,147 Ν 1.2-BUTYLENE OXIDE Ν ACRYLIC ACID Ν ACRYLONITRILE n N BUTYL ACRYLATE Ν CERTAIN GLYCOL ETHERS Ν CHROMIUM COMPOUNDS(EXCEPT Ν **CUMENE** Ν CYCLOHEXANOL N DIISOCYANATES N ETHYL ACRYLATE N **ETHYLBENZENE** 3,050 3,063 25,913 3,063 Ν **METHANOL** 1,885 2,072 N 2,072 METHYL ACRYLATE N 1,487 1,487 METHYL ISOBUTYL KETONE N METHYL METHACRYLATE 6,139 6,139 6,139 N NAPHTHALENE N N-BUTYL ALCOHOL Ν PHTHALIC ANHYDRIDE N STYRENE Ν

12,031

7,294

6,416,021

6,529,559

16,424

3,118

6,432,445

6,532,677

N

Ν

N

TOLUENE

VANADIUM COMPOUNDS

XYLENE (MIXED ISOMERS)

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149,877

136,756

6,798

11,747

7,253

12,031

7,294

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BAE SYSTEMS, ORDINANCE SYSTEMS INC. AND RADFORD ARMY AMMUNITION ARE THE SAME FACILITY. REPORTING UNDER TWO SEPERATE IDSTHE SUMMARY REPORT REFLECTS ONLY ONE SET OF DATA VALUES FOR TOTALS.

Facility County/Independent C	`its:								ite Man	agement		Off-Site	Transfers
	•		fr	om Section	5 of Form	ı R		fro	m Section 8	of Form R		from Section	n 6 of Form R
Facility Name/	Address						Total	F			Total		Total Other
		Fugitive Air	Stack Air	Total Air	Land	Water	On-Site Releases	Energy	Dogwaling	Treatment	On-Site	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	Recovery (pounds)	(pounds)	(pounds)	Management (pounds)	(pounds)	(pounds)
ZINC COMPOUNDS	N	0	18	18	•	0	18	0	· · ·	u /		u ,	2,739
Total for Axalta Coating Systems Usa	a Llc-Front Royal	706	34,322	35,028	0	0	35,028	0	12,945,580	0 21,927	12,967,507	0	331,531
WARREN	INTERBAKE	FOODS						200 BAKE	R PLAZA			NAICS Co	de 311812
SULFURIC ACID (1994 AND AFTER	R" N	5	5	10	0	0	10	0	(0 0	0	0	750
Total for Interbake Foods		5	5	10	0	0	10	0	(0 0	0	0	750
WARREN	QUARLES PE	ETROLEU	M INC. FR	ONT ROY	AL BULK	PLANT		195 COM	MERCE AV	Æ		NAICS Co	de 424710
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	(0 0	0	0	0
BENZENE	Y	0	0	0	0	0	0	0	(0 0	0	0	0
ETHYLBENZENE	Y	0	0	0	0	0	0	0	(0 0	0	0	0
N-HEXANE	Y	0	0	0	0	0	0	0	(0 0	0	0	0
TOLUENE	Y	0	0	0	0	0	0	0	(0 0	0	0	0
XYLENE (MIXED ISOMERS)	Y	0	0	0	0	0	0	0	(0 0	0	0	0
Total for Quarles Petroleum Inc. From	nt Royal Bulk Pla	0	0	0	0	0	0	0	(0 0	0	0	0
WARREN	RPS COMPOS	SITES VII	RGINIA, IN	C.				211 E 4TH	ST			NAICS Co	de 326199
STYRENE	N	6,477	200	6,677	0	0	6,677	0	(0 0	0	0	0
Total for Rps Composites Virginia, In	C.	6,477	200	6,677	0	0	6,677	0	(0 0	0	0	0
WARREN	TORAY PLAS	STICS (AM	MERICA) II	NC				500 TORA	Y DR			NAICS Co	de 326150
NITRATE COMPOUNDS	N	0	0	0	0	0	0	0	140,395	5 0	140,395	0	6,191
NITRIC ACID	N	0	0	0	0	0	0	0	(0 0	0	0	0
SODIUM NITRITE	N	0	0	0	0	0	0	0	250,994	4 0	250,994	0	9,739
Total for Toray Plastics (America) Inc	;	0	0	0	0	0	0	0	391,389	9 0	391,389	0	15,930
Total for Above County: (35 report	s)	7,188	34,527	41,715	0	0	41,715	0	13,336,96	9 21,927	13,358,896	0	348,211

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Facility County/Independent	City			On-Site						agement			Transfers
Facility Name	•		fi	rom Section	5 of Form	R	TD 4.1	fre	om Section	8 of Form R		from Section	1 6 of Form R
Facility Name	e/Auuress	Fugitive	Stack	Total			Total On-Site	Energy			Total On-Site		Total Other
		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment		POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
WASHINGTON	AGC FLAT G	LASS NA	ABINGDO	N PLANT		-		18370 OA	K PARK D	R		NAICS Coo	de 327215
SILVER	N	5	5	10	0	0	10	0)	0	0 0	0	22,069
ZINC COMPOUNDS	N	5	5	10	0	0	10	0)	0	0 0	0	10,422
Total for Agc Flat Glass Na Abingdo	on Plant	10	10	20	0	0	20	0)	0	0 0	0	32,491
WASHINGTON	APPALACHI	AN PLAS	TICS INC.					34001 GL	OVE DR			NAICS Coo	de 326199
METHYL METHACRYLATE	N	1,363	4,088	5,451	0	0	5,451	0)	0	0 0	0	0
STYRENE	N	9,379	28,136	37,515	0	0	37,515	0)	0	0 0	0	0
Total for Appalachian Plastics Inc.		10,742	32,224	42,966	0	0	42,966	0)	0	0 0	0	0
WASHINGTON	AZZ GALVA	NIZING-B	RISTOL					14781 INI	DUSTRIAL	PARK RD		NAICS Coo	de 332812
ZINC COMPOUNDS	N	994	0	994	0	86	1,080	0)	0	0 0	0	269,887
Total for Azz Galvanizing-Bristol		994	0	994	0	86	1,080	0)	0	0 0	0	269,887
WASHINGTON	HAPCO							26252 HII	LLMAN HI	GHWAY		NAICS Coo	de 332312
ALUMINUM (FUME OR DUST)	N	5,992	11,985	17,977	0	0	17,977	0)	0	0 0	0	667,739
ZINC (FUME OR DUST)	N	1,504	3,007	4,511	0	0	4,511	0)	0	0 0	0	77,999
ZINC COMPOUNDS	N	0	0	0	0	0	0	0)	0	0 0	0	0
Total for Hapco		7,496	14,992	22,488	0	0	22,488	0	1	0	0 0	0	745,738
WASHINGTON	MXI ENVIRO	NMENT <i>A</i>	AL SERVIC	ES, LLC				26319 OL	D TRAIL F	RD (ST RTE	679)	NAICS Coo	de 562111
METHANOL	N	250	0	250	0	0	250	0)	0	0 0	0	0
Total for Mxi Environmental Service	s, Llc	250	0	250	0	0	250	0)	0	0 0	0	0
WASHINGTON	STRONGWEI	LL CORP	HIGHLAN	DS DIV				26770 NE	WBANKS 1	RD		NAICS Coo	de 326199
ANTIMONY COMPOUNDS	N	0	62	62	0	0	62	0)	0	0 0	0	0
STYRENE	N	6,160	0	6,160	0	0	6,160	0)	0	1 1	0	220
								1				t .	

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Facility County/Independent	ocility County/Independent City On-Site Releases from Section 5 of Form R									agement		Off-Site	Transfers
, , ,	•		fı	om Section	5 of Form	R		fr	om Section	8 of Form R		from Section	6 of Form R
Facility Name	e/Address	E	C4l-	T-4-1			Total On-Site	Energy			Total		Total Other
		Fugitive Air	Stack Air	Total Air	Land	Water	Releases	Recovery	Recycling	Treatment	On-Site Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
Total for Strongwell Corp Highlands	Div	6,160	62	6,222	0	0	6,222	0)	0	1 1	0	220
WASHINGTON	STRONGWEI	LL CORP	ORATION-	BRISTOL				400 COM	MONWEA	LTH AVE.		NAICS Cod	e 326199
ANTIMONY	N	0	173	173	0	0	173	()	0	0 0	0	0
STYRENE	N	35,300	0	35,300	0	0	35,300	()	0	2 2	0	2,780
Total for Strongwell Corporation-Bris	stol	35,300	173	35,473	0	0	35,473	O)	0	2 2	0	2,780
WASHINGTON	UTILITY TRA	AILER MA	ANUFACTI	JRING CO				13160 MC	ONROE RD			NAICS Cod	e 336212
CHROMIUM	N	0	4	4	0	0	4	. ()	0	0 0	0	26,491
DIISOCYANATES	Y	0	0	0	0	0	0	()	0	0 0	0	0
MANGANESE	N	0	13	13	0	0	13	()	0	0 0	0	19,276
NICKEL	N	0	1	1	0	0	1	()	0	0 0	0	7,396
Total for Utility Trailer Manufacturing	g Co	0	18	18	0	0	18	0)	0	0 0	0	53,163
WASHINGTON	W&W-AFCO	STEEL L	LC					15083 INI	DUSTRIAL	PARK RD		NAICS Cod	e 332312
MANGANESE	N	0	2	2	0	0	2)	0	0 0	0	32,007
Total for W&W-Afco Steel Llc		0	2	2	0	0	2	O)	0	0 0	0	32,007
WASHINGTON	ZENITH FUE	L SYSTE	MS LLC					14570 INI	DUSTRIAL	PARK RD		NAICS Cod	e 336310
ZINC COMPOUNDS	N	0	0	0	0	0	0	()	0	0 0	0	154
Total for Zenith Fuel Systems Llc		0	0	0	0	0	0	O)	0	0 0	0	154
Total for Above County: (19 repo	rts)	60,952	47,481	108,433	0	86	108,518	O)	0	3 3	0	1,136,441
WESTMORELAND	CARRY-ON T	TRAILER	CORP					159 INDU	STRIAL P.	ARK RD		NAICS Cod	e 336212
1,2,4-TRIMETHYLBENZENE	N	0	10,509	10,509	0	0	10,509	()	0 7,17	7,172	0	628
CERTAIN GLYCOL ETHERS	N	0	5,371	5,371	0	0	5,371	()	0 11,00	11,003	0	566
CHROMIUM	N	6	0	6	0	0	6	()	0	0 0	0	486
								1				l .	

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Facility County/Independent (City			On-Site						agement			Transfers
Facility Name	/Address		TI TI	om Section	5 01 Form	ı K	Total	Ir	om Section a	S OI FORM K	Total	from Section	6 of Form R Total Other
		Fugitive	Stack	Total			On-Site	Energy			On-Site		Off-Site
Chemical Name	£ A+	Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment	Management	POTW	Transfers **
	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
MANGANESE	N	95	0	95	0	0	95	()	0 (0	0	1,368
NICKEL	N	6	0	6	0	0	6	()	0 (0	0	443
Total for Carry-On Trailer Corp		107	15,880	15,987	0	0	15,987	O)	0 18,17	5 18,175	0	3,491
WESTMORELAND	POTOMAC S	UPPLY LI	LC					1398 KIN	SALE RD			NAICS Cod	le 321114
COPPER COMPOUNDS	N	0	0	0	0	0	0	C)	0 (0	0	0
METHANOL	Y	0	0	0	0	0	0	C)	0 (0	0	0
Total for Potomac Supply Llc		0	0	0	0	0	0	0)	0 (0	0	0
Total for Above County: (7 reports	5)	107	15,880	15,987	0	0	15,987	O)	0 18,17	5 18,175	0	3,491
WINCHESTER (CITY)	O'SULLIVAN	FILMS I	NC					1944 VAI	LEY AVE			NAICS Cod	le 326113
ANTIMONY COMPOUNDS	N	11	62	72	0	0	72	()	0 (0	0	68
BARIUM COMPOUNDS	N	6	32	38	0	0	38	()	0	0	0	15
DI(2-ETHYLHEXYL) PHTHALATE	N	39	222	261	0	0	261	()	0 (0	0	0
ETHYLBENZENE	N	0	147	147	0	0	147	()	0 16,919	16,919	0	1,272
METHYL ISOBUTYL KETONE	N	0	3,560	3,560	0	0	3,560	()	0 344,630	344,630	0	25,955
N,N-DIMETHYLFORMAMIDE	N	0	1,951	1,951	0	0	1,951	()	0 215,938	3 215,938	0	16,242
N-METHYL-2-PYRROLIDONE	N	424	8,477	8,900	0	0	8,900	()	0 (0	0	1,621
TOLUENE	N	0	5,004	5,004	0	0	5,004	()	0 603,977	603,977	0	45,396
XYLENE (MIXED ISOMERS)	N	0	729	729	0	0	729	()	0 84,018	84,018	0	6,317
ZINC COMPOUNDS	N	9	52	61	0	0	61	()	0 (0	22	51
Total for O'Sullivan Films Inc		489	20,236	20,725	0	0	20,725	O)	0 1,265,483	3 1,265,483	22	96,938
Total for Above County: (10 repor	ts)	489	20,236	20,725	0	0	20,725	O)	0 1,265,48	3 1,265,483	22	96,938
WISE	VIRGINIA CI	TY HYBR	ID ENERG	Y CENTE	R			3425 RUS	SELL CRE	EK RD		NAICS Cod	le 221112

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^{**} TOTAL OTHER OFF-SITE TRANSFERS = ALL OF FORM R SECTION 6.2 OFF-SITE TRANSFERS (DISPOSAL + TREATMENT + ENERGY RECOVERY + RECYCLING)

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Facility County/Independent Cit	v			On-Site l						agement			Transfers
Facility Name/A	-		fı	om Section	5 of Form	ı R	TD 4.1	fr	om Section 8	8 of Form R	m . 1	from Section	1 6 of Form R
Facility Name/A	uuress	Fugitive	Stack	Total			Total On-Site	Energy			Total On-Site		Total Other
		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment	Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	C)	0	0 0	0	0
AMMONIA	N	0	124,000	124,000	0	5	124,005	C)	0	0 0	0	0
ARSENIC COMPOUNDS	N	0	49	49	28,400	0	28,449	C)	0	0 0	0	0
BARIUM COMPOUNDS	N	0	364	364	268,000	6	268,370	C)	0	0 0	0	0
CHROMIUM COMPOUNDS(EXCEPT	N	0	66	66	49,400	0	49,466	C)	0	0 0	0	0
COPPER COMPOUNDS	N	0	106	106	54,700	0	54,806	C)	0	0 0	0	0
HYDROCHLORIC ACID (1995 AND A	N	0	42,200	42,200	0	0	42,200	C)	0 2,070,00	0 2,070,000	0	0
HYDROGEN FLUORIDE	N	0	453	453	0	0	453	C)	0 258,00	0 258,000	0	0
MANGANESE COMPOUNDS	N	0	3,480	3,480	94,300	4	97,784	C)	0	0 0	0	0
NAPHTHALENE	Y	0	0	0	0	0	0	C)	0	0 0	0	0
N-HEXANE	Y	0	0	0	0	0	0	C)	0	0 0	0	0
NICKEL COMPOUNDS	N	0	99	99	48,700	0	48,799	C)	0	0 0	0	0
SULFURIC ACID (1994 AND AFTER "	N	0	10,700	10,700	0	0	10,700	C)	0 744,00	0 744,000	0	0
VANADIUM COMPOUNDS	N	0	2	2	103,000	0	103,002	C)	0	0 0	0	0
ZINC COMPOUNDS	N	0	899	899	66,100	2	67,001	C)	0	0 0	0	0
Total for Virginia City Hybrid Energy Ce	nter	0	182,418	182,418	12,600	18	895,036	0)	0 3,072,00	0 3,072,000	0	0
Total for Above County: (15 reports)		0	182,418	182,4187	12,600	18	895,036	0)	0 3,072,00	00 3,072,000	0	0
WYTHE H	IUTCHINSO	N SEALIN	IG SYSTEN	AS INC				1150 S TH	HIRD ST			NAICS Co	de 326291
ZINC COMPOUNDS	N	27	677	704	0	0	704	C)	0	0 0	1	12,218
Total for Hutchinson Sealing Systems I	nc	27	677	704	0	0	704	0)	0	0 0	1	12,218
Total for Above County: (1 record)		27	677	704	0	0	704	0)	0	0 0	1	12,218
YORK A	ORK AFETA CAMP PEARY							1100 EXE	CUTIVE D	RIVE		NAICS Co	de 928110

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Facility County/Independent Ci	its,		(On-Site I	Release	es		On-S	Site Man	agemen	t	Off-Site	Transfers
	•		fr	om Section	5 of Forn	n R		fr	om Section	8 of Form R		from Section	6 of Form R
Facility Name/A	Address						Total				Total		Total Other
		Fugitive	Stack	Total			On-Site	Energy			On-Site		Off-Site
Chemical Name	form A*	Air	Air	Air	Land	Water	Releases	Recovery	Recycling		Management		Transfers **
	IOIIII A	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
COPPER	Y	0	0	0	0	0	0	()	0	0 0	0	0
Total for Afeta Camp Peary		0	0	0	0	0	0	0)	0	0 0	0	0
YORK	EATON COR	PORATIO	N - WILLL	AMSBURG	MANUF	FACTURING	\mathbf{G}	149 WAR	WICK CO	URT		NAICS Cod	le 335999
CHROMIUM	N	0	0	0	0	0	0	()	0	0 0	0	32,016
NICKEL	N	0	0	0	0	0	0	()	0	0 0	0	21,010
Total for Eaton Corporation - Williams	burg Manufactu	0	0	0	0	0	0	O)	0	0 0	0	53,026
YORK	US NAVY NW	SY DEFE	NSE FUEL	SUPPLY P	OINT YO	ORKTOWN		FUEL FA	RM RD			NAICS Cod	le 928110
NAPHTHALENE	N	4	114	118	0	0	118	3)	0 12,2	30 12,230	0	0
Total for Us Navy Nwsy Defense Fuel	Supply Point Y	4	114	118	0	0	118	o	1	0 12,2	30 12,230	0	0
YORK	YORKTOWN	POWER	STATION					1600 WA	TERVIEW	RD		NAICS Cod	le 221112
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	()	0	0 0	0	0
BARIUM COMPOUNDS	N	0	38	38	4,400	17,300	21,738	3)	0	0 0	0	3,860
HYDROCHLORIC ACID (1995 AND	A N	0	197,000	197,000	0	0	197,000	()	0	0 0	0	0
NAPHTHALENE	Y	0	0	0	0	0	0	()	0	0 0	0	0
N-HEXANE	Y	0	0	0	0	0	0	0)	0	0 0	0	0
SULFURIC ACID (1994 AND AFTER	" N	0	43,300	43,300	0	0	43,300	()	0 135,00	00 135,000	0	0
VANADIUM COMPOUNDS	N	0	427	427	5,290	0	5,717	′)	0	0 0	0	15,220
Total for Yorktown Power Station		0	240,765	240,765	9,690	17,300	267,755	o c	1	0 135,0	00 135,000	0	19,080
Total for Above County: (11 reports	s)	4	240,879	240,883	9,690	17,300	267,873	O)	0 147,2	30 147,230	0	72,106

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Appendix G - 2018 Summary of Facilities, Chemical Releases, Transfers and Management (PBT)

Appendix G: 2018 Summary of Facilities, Chemical Releases, Transfers, and Management (PBT) Alphabetical Listing by Facility Within Each County/Independent City

2018 Toxics Release Inventory

Facility County/Independent C	City			On-Site					Site Man					Transfers
Facility Name/	Address	Fugitive	Stack	Total			Total On-Site	Energy			T	otal n-Site	Hom Section	Total Other Off-Site
Chemical Name	form A*	Air (pounds)	Air (pounds)	Air (pounds)	Land (pounds)	Water (pounds)	Releases (pounds)	Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	•	gement unds)	POTW (pounds)	Transfers ** (pounds)
ACCOMACK	PERDUE FA	RMS ACC	OMAC PR	OCESSING	G PLANT			22520 LA	ANKFORD	HWY			NAICS Cod	e 311615
BENZO(G,H,I)PERYLENE	N	0	0	0	0	0	0	0		0	0	0	0	0
POLYCYCLIC AROMATIC COMPO	U N	0	0	0	0	0	0	0		0	0	0	0	0
Total for Perdue Farms Accomac Pro	cessing Plant	0	0	0	0	0	0	0		0	0	0	0	0
ACCOMACK	U.S. NASA G	SFC WAL	LOPS FLIC	GHT FACII	LITY			34200 FU	ULTON ST	REET			NAICS Cod	e 927110
LEAD COMPOUNDS	N	0	110	110	0	7	117	0		0	0	0	0	0
POLYCYCLIC AROMATIC COMPO	U N	0	0	0	0	0	0	0	36	3	0	363	0	0
Total for U.S. Nasa Gsfc Wallops Flig	ght Facility	0	110	110	0	7	117	0	36	3	0	363	0	0
Total for Above County: (4 records	s)	0	110	110	0	7	117	0	36	3	0	363	0	0
ALBEMARLE	INTELLIGE	NT PLATE	FORMS, LL	C				2500 AU	STIN DRIV	Έ			NAICS Cod	e 334513
LEAD	N	0	1	1	0	0	1	0		0	0	0	0	430
Total for Intelligent Platforms, Llc		0	1	1	0	0	1	0		0	0	0	0	430
ALBEMARLE	NORTHROP	GRUMM	AN SYSTE	MS CORPO	DRATION			1070 SE	MINOLE T	RAIL			NAICS Cod	e 334511
LEAD	N	0	0	0	0	0	0	0		0	0	0	1	130
Total for Northrop Grumman Systems	s Corporation	0	0	0	0	0	0	0		0	0	0	1	130
ALBEMARLE	S.L. WILLIA	MSON CO	O. INC. SHO	P				1230 RIV	VER ROAD	ı			NAICS Cod	e 324121
POLYCYCLIC AROMATIC COMPO	U N	0	0	0	0	0	0	0		0	0	0	0	0
Total for S.L. Williamson Co. Inc. Sho	ор	0	0	0	0	0	0	0		0	0	0	0	0
Total for Above County: (3 records	s)	0	1	1	0	0	1	0		0	0	0	1	560
ALEXANDRIA (CITY)	VIRGINIA P.	AVING AI	LEXANDRI	A PLANT				5601 CO	URTNEY A	AVENUE			NAICS Cod	e 324121
BENZO(G,H,I)PERYLENE	N	0	0	0	0	0	0	0		0	0	0	0	0

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Facility County/Independent City	y			On-Site					Site Man				Transfers
Facility Name/A	ddress		11	rom Section	15 of Form	K	Total	ire	om Section 8	of Form R	Total	from Section	n 6 of Form R
Taciney Traine/13	uui ess	Fugitive	Stack	Total			On-Site	Energy			On-Site		Total Other Off-Site
Chemical Name		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment	Management	POTW	Transfers **
	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
POLYCYCLIC AROMATIC COMPOU	N	1	0	1	0	0	1	0	()	0 0	0	0
Total for Virginia Paving Alexandria Plan	nt	1	0	1	0	0	1	0	()	0 0	0	0
Total for Above County: (2 records)		1	0	1	0	0	1	0	()	0 0	0	0
AMHERST C	OOPER ST	EEL						275 FRA	NCIS AVE			NAICS Cod	e 332312
LEAD	N	0	0	0	0	1	1	0	()	0 0	0	0
Total for Cooper Steel		0	0	0	0	1	1	0	()	0 0	0	0
AMHERST G	REIF PACE	KAGING L	LC					861 FIBI	RE PLANT	RD		NAICS Cod	e 322110
DIOXIN AND DIOXIN-LIKE COMPO	N	0	0	0	0	0	0	0	()	0 0	0	0
LEAD	N	0	5	5	0	0	5	0	()	0 0	0	0
Total for Greif Packaging Llc		0	5	5	0	0	5	0	()	0 0	0	0
Total for Above County: (3 records)		0	5	5	0	1	6	0	()	0 0	0	0
ARLINGTON P	ENTAGON	RESERVA	ATION					2 N ROT	ARY RD			NAICS Cod	e 928110
LEAD	N	0	1	1	0	0	1	0	()	0 0	0	133
LEAD COMPOUNDS	N	0	284	284	0	0	284	0	()	0 0	0	46
Total for Pentagon Reservation		0	285	285	0	0	285	0	()	0 0	0	179
ARLINGTON U	S ARMY JO	DINT BAS	E MYER-H	ENDERSO	N HALL G	SARRISON	OPS (PA	204 LEE	AVE			NAICS Cod	e 928110
LEAD	N	0	0	0	0	0	0	0	()	0 0	0	0
Total for Us Army Joint Base Myer-Hen	derson Hall	0	0	0	0	0	0	0	()	0 0	0	0
ARLINGTON V	TRGINIA C	ONCRETI	E SHIRLING	GTON PLA	ANT			2651 SH	IRLINGTO	N ROAD		NAICS Cod	e 327320
LEAD	N	0	0	0	0	0	0	0	()	0 0	0	0
Total for Virginia Concrete Shirlington P	lant	0	0	0	0	0	0	0	()	0 0	0	0
Total for Above County: (4 records)		0	285	285	0	0	285	0	()	0 0	0	179
AUGUSTA B	ALL ADVA	NCED AL	UMINUM T	TECHNOL	OGIES CO	RP	j	56 DUNS	SMORE RD			NAICS Cod	e 331524
LEAD	N	0	4	4	0	0	4	0	()	0 0	0	71
Total for Ball Advanced Aluminum Tech	nologies C	0	4	4	0	0	4	0	()	0 0	0	71
												1	

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Facility County/Independent (City			On-Site						agemen			Transfers
Facility Name	•		1	rom Section	15 of Form	ı K	Total	fre	om Section	8 of Form R	Total	from Section	6 of Form R
Tuestie, I value	11441 055	Fugitive	Stack	Total			On-Site	Energy			On-Site		Total Other Off-Site
Chemical Name	form A*	Air (pounds)	Air (pounds)	Air (pounds)	Land (pounds)	Water (pounds)	Releases (pounds)	Recovery (pounds)	Recycling (pounds)	Treatment (pounds)		POTW (pounds)	Transfers ** (pounds)
AUGUSTA	FLINT GROU	UP NA CO	<i>d</i> ,	(- 1)	d	(1-1-1-1-1)	(106 TRI	ANGLE DE	u /	(F	NAICS Code	
POLYCYCLIC AROMATIC COMPO	OU N	0	0	0	0	0	0	C)	0	0 0	0	0
Total for Flint Group Na Corp		0	0	0	0	0	0	O)	0	0 0	0	0
AUGUSTA	NIBCO OF V	TRGINIA I	INC.					131 JOH	INSON DRI	IVE		NAICS Code	332112
LEAD	N	0	0	0	0	1	1	C)	0	0 0	1	458
Total for Nibco Of Virginia Inc.		0	0	0	0	1	1	O)	0	0 0	1	458
AUGUSTA	TAYLOR & I	BOODY IN	NC.					8 HEWI	TT RD			NAICS Code	339992
LEAD	N	0	1	1	0	0	1	0)	0	0 0	0	0
Total for Taylor & Boody Inc.		0	1	1	0	0	1	O)	0	0 0	0	0
Total for Above County: (4 record	s)	0	4	4	0	1	5	0)	0	0 0	1	529
BEDFORD	CUSTOM TR	RUCK ONI	E SOURCE					12660 E	LYNCHBU	RG SALEN	M TPKE	NAICS Code	333120
LEAD	N	0	0	0	0	0	0	C)	0	0 0	0	87
Total for Custom Truck One Source		0	0	0	0	0	0	O)	0	0 0	0	87
BEDFORD	GEORGIA-P.	ACIFIC B	IG ISLAND	MILL				9363 LE	E-JACKSO	N HWY		NAICS Code	322121
LEAD COMPOUNDS	N	0	61	61	0	144	1,148	C)	0	0 0	0	0
MERCURY COMPOUNDS	N	0	2	2	0	3	6	C)	0	0 0	0	0
Total for Georgia-Pacific Big Island N	⁄lill	0	63	63	0	147	1,154	0)	0	0 0	0	0
BEDFORD	WHEELABR	ATOR AB	RASIVES I	NC				1 ABRA	SIVE AVE			NAICS Code	327910
LEAD	N	0	0	0	0	0	68	C)	0	0 0	0	42,127
Total for Wheelabrator Abrasives Inc	;	0	0	0	0	0	68	0)	0	0 0	0	42,127
Total for Above County: (4 record	s)	0	63	63	0	147	1,222	0)	0	0 0	0	42,214
BOTETOURT	METALSA R	OANOKE	INC.					184 VIS	ΓA DR			NAICS Code	336390
LEAD	N	0	0	0	0	0	0	C)	0	0 0	0	695
Total for Metalsa Roanoke Inc.		0	0	0	0	0	0	0)	0	0 0	0	695

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Facility County/Independent C	itv			On-Site						agement		Off-Site	Transfers
	•		fi	rom Section	5 of Form	R	TD ()	fre	om Section 8	8 of Form R		from Section	6 of Form R
Facility Name/	Auuress	Fugitive	Stack	Total			Total On-Site	Energy			Total On-Site		Total Other
Chemical Name		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment	Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
BOTETOURT	ROANOKE (CEMENT (CO LLC					6071 CA	TAWBA R	D		NAICS Code	327310
LEAD COMPOUNDS	N	3	40	44	0	0	111	0	ı	0	0 0	0	0
MERCURY COMPOUNDS	N	0	44	44	0	0	44	0	1	0	0 0	0	0
Total for Roanoke Cement Co Llc		3	84	88	0	0	154	0		0	0 0	0	0
Total for Above County: (3 records	s)	3	84	88	0	0	154	0		0	0 0	0	695
BRISTOL (CITY)	ASSOCIATE	D ASPHAI	LT BRISTO	L, LLC				10 SPUR	RGEON LA	NE		NAICS Code	424710
BENZO(G,H,I)PERYLENE	N	0	0	0	0	0	0	0	1	0	0 0	0	0
POLYCYCLIC AROMATIC COMPO	U N	0	14	14	0	0	14	0	1	0	0 0	0	0
Total for Associated Asphalt Bristol, L	.lc	0	14	14	0	0	14	0		0	0 0	0	0
Total for Above County: (2 records	s)	0	14	14	0	0	14	0		0	0 0	0	0
BUCHANAN	JEWELL CO	KE CO LI	•					1034 DIS	SMAL RIV	ER RD		NAICS Code	331110
DIOXIN AND DIOXIN-LIKE COMPO) N	0	0	0	0	0	0	0	ı	0	0 0	0	0
LEAD COMPOUNDS	N	0	4,480	4,480	0	0	4,480	0	1	0	0 0	0	0
MERCURY COMPOUNDS	N	0	87	87	0	0	87	0	1	0	0 0	0	0
Total for Jewell Coke Co Lp		0	4,566	4,566	0	0	4,566	0		0	0 0	0	0
Total for Above County: (3 records	s)	0	4,566	4,566	0	0	4,566	0		0	0 0	0	0
BUCKINGHAM	KYANITE M	INING CO	RP MULL	TE PLAN	Γ			5836 BU	FFALO RO	OAD		NAICS Code	212325
POLYCYCLIC AROMATIC COMPO	U N	28	0	28	0	0	28	0	ı	0	0 0	0	0
Total for Kyanite Mining Corp Mullite I	Plant	28	0	28	0	0	28	0		0	0 0	0	0
Total for Above County: (1 record)		28	0	28	0	0	28	0		0	0 0	0	0
BUENA VISTA (CITY)	EVERBRITE	LLC						627 E 30	TH ST			NAICS Code	339950
LEAD COMPOUNDS	N	0	1	1	0	0	1	0	ı	0	0 0	0	149
Total for Everbrite Llc		0	1	1	0	0	1	0		0	0 0	0	149
Total for Above County: (1 record)		0	1	1	0	0	1	0		0	0 0	0	149
CAMPBELL	BANKER ST	EEL COM	PANY, LLO	C				351 RAN	GOON RO	OAD		NAICS Code	332312

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Facility County/Independent C	City			On-Site						agement	t		Transfers
Facility Name/	•		fi	rom Section	5 of Form	R	Total	fre	om Section 8	3 of Form R	Total	from Section	1 6 of Form R
racinty Name/	Auuless	Fugitive	Stack	Total			On-Site	Energy			On-Site		Total Other Off-Site
Chemical Name		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment	Management	POTW	Transfers **
Chemical Ivanic	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
LEAD	N	0	0	0	0	0	0	0)	0	0 0	0	2,238
Total for Banker Steel Company, Llc		0	0	0	0	0	0	0	•)	0 0	0	2,238
CAMPBELL	BWXT NUCI	LEAR OPE	RATIONS	GROUP, IN	NC.			1570 MC	OUNT ATH	OS RD		NAICS Code	332410
LEAD COMPOUNDS	N	0	0	0	3,621	4	3,625	0		0	0 0	0	4
Total for Bwxt Nuclear Operations Gr	oup, Inc.	0	0	0	3,621	4	3,625	0)	0 0	0	4
CAMPBELL	GEORGIA-P	ACIFIC W	OOD PROI	DUCTS LL	C - BROC	KNEAL O	SB	11795 Bl	ROOKNEA	L HIGHWA	ΛY	NAICS Code	321219
DIOXIN AND DIOXIN-LIKE COMPO	N C	0	0	0	0	0	0	0		0	0 0	0	0
LEAD COMPOUNDS	N	0	5	5	0	0	5	0		0	0 0	0	100
Total for Georgia-Pacific Wood Produ	ucts Llc - Bro	0	5	5	0	0	5	0)	0 0	0	100
CAMPBELL	SCHRADER-	BRIDGEP	ORT INTE	RNATION	AL			205 FRA	ZIER RD			NAICS Code	336390
LEAD	N	0	0	0	0	0	0	0		0	0 0	0	82,604
Total for Schrader-Bridgeport Interna	tional	0	0	0	0	0	0	0		ס	0 0	0	82,604
Total for Above County: (5 records	s)	0	5	5	3,621	4	3,630	0		ס	0 0	0	84,946
CAROLINE	ANCHOR AN	OLDCAS	TLE CO					16326 IN	D US TRIA	L DR		NAICS Code	327999
LEAD COMPOUNDS	N	0	0	0	0	0	0	0		0	0 0	0	0
Total for Anchor An Oldcastle Co		0	0	0	0	0	0	0)	0 0	0	0
CAROLINE	LADYSMITH	H COMBU	STION TUE	RBINE STA	TION			8063 CE	DON RD			NAICS Code	221112
POLYCYCLIC AROMATIC COMPO	U N	0	0	0	0	0	0	0		0	0 0	0	0
Total for Ladysmith Combustion Turb	ine Station	0	0	0	0	0	0	0	()	0 0	0	0
CAROLINE	US ARMY FO	ORT AP H	ILL GARRI	ISON (PAR	(T)			19952 N	RANGE RI)		NAICS Code	928110
LEAD COMPOUNDS	N	285	0	285	0	2,531	53,348	0)	0	0 0	0	7,099
Total for Us Army Fort Ap Hill Garriso	on (Part)	285	0	285	0	2,531	53,348	0)	0 0	0	7,099
Total for Above County: (3 records	s)	285	0	285	0	2,531	53,349	0		ס	0 0	0	7,099
CARROLL	VAUGHAN-I	BASSETT	FURNITUR	E CO. GAI	LAX			300 E GI	RAYSON S'	Γ		NAICS Code	337122
												1	

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Facility County/Independent C	itv			On-Site						agemen		Off-Site	Transfers
			fı	om Section	5 of Form	R		fro	om Section 8	8 of Form R		from Section	n 6 of Form R
Facility Name/A	Address	Fugitive	Stools	Total			Total On-Site	Energy			Total On-Site		Total Other
		Air	Stack Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment	Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
LEAD	N	0	2	2	0	0	2	0		0	0 0	0	0
Total for Vaughan-Bassett Furniture C	Co. Galax	0	2	2	0	0	2	0		0	0 0	0	0
Total for Above County: (1 record)		0	2	2	0	0	2	0		0	0 0	0	0
CHARLOTTE	MORGAN LU	JMBER C	OMPANY,	INC.				628 JEB	STUART I	HIGHWAY		NAICS Code	e 321113
LEAD COMPOUNDS	N	0	15	15	402	0	417	0		0	0 0	0	0
Total for Morgan Lumber Company, Ir	nc.	0	15	15	402	0	417	0		0	0 0	0	0
Total for Above County: (1 record)		0	15	15	402	0	417	0		0	0 0	0	0
CHESAPEAKE (CITY)	CONCRETE	PIPE & PI	RECAST LI	LC CHESA	PEAKE P	LANT		3801 CO	OK BLVD			NAICS Code	e 327332
LEAD	N	0	0	0	0	0	0	0		0	0 0	0	0
Total for Concrete Pipe & Precast Llc	Chesapeake	0	0	0	0	0	0	0		0	0 0	0	0
CHESAPEAKE (CITY)	ELIZABETH	RIVER C	OMBUSTIC	ON TURBI	NE STATI	ON		2837 S M	IILITARY	HWY		NAICS Code	e 221112
POLYCYCLIC AROMATIC COMPO	U N	0	0	0	0	0	0	0		0	0 0	0	0
Total for Elizabeth River Combustion	Turbine Stati	0	0	0	0	0	0	0		0	0 0	0	0
CHESAPEAKE (CITY)	SAFETY-KL	EEN SYST	EMS CHES	SAPEAKE	(CPK)			4545 BA	INBRIDGE	BLVD		NAICS Code	e 562112
BENZO(G,H,I)PERYLENE	N	0	0	0	0	0	0	0		0	0 0	0	15
Total for Safety-Kleen Systems Chesa	apeake (Cpk)	0	0	0	0	0	0	0		0	0 0	0	15
CHESAPEAKE (CITY)	US/NAVY NA	VAL SUP	PORT ACT	IVITY NO	RTHWES	Γ ANNEX I	RANGE	1320 NW	BLVD SU	ITE 100		NAICS Code	e 928110
LEAD	N	0	0	0	0	0	22,184	0		0	0 0	0	0
Total for Us/Navy Naval Support Activ	vity Northwest	0	0	0	0	0	22,184	0		0	0 0	0	0
Total for Above County: (4 records)	0	0	0	0	0	22,184	0		0	0 0	0	15
CHESTERFIELD	ALERIS ROL	LED PRO	DUCTS IN	C				1701 RE	YMET RD			NAICS Code	e 331314
DIOXIN AND DIOXIN-LIKE COMPO) N	0	0	0	0	0	0	0		0	0 0	0	0
LEAD COMPOUNDS	N	0	0	1	0	0	1	0		0	0 0	0	62
Total for Aleris Rolled Products Inc		0	0	1	0	0	1	0		0	0 0	0	62

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Facility County/Independent C	ity			On-Site						agemen			Transfers
Facility Name/	•			om Section	5 of Form	K	Total	fro	om Section	8 of Form R	Total	from Section	1 6 of Form R Total Other
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	On-Site Management (pounds)	POTW (pounds)	Off-Site Transfers ** (pounds)
CHESTERFIELD	CHESTERFI	ELD POW	ER STATIO	ON				500 COX	KENDALE	RD		NAICS Code	221112
DIOXIN AND DIOXIN-LIKE COMPO) N	0	0	0	0	0	0	0)	0	0 0	0	0
LEAD COMPOUNDS	N	0	87	87	0	27	11,515	0)	0	0 0	0	1,610
MERCURY COMPOUNDS	N	0	8	8	0	0	150	0)	0	0 0	0	20
POLYCYCLIC AROMATIC COMPO	U N	0	2	2	0	0	2	0)	0	0 0	0	0
Total for Chesterfield Power Station		0	97	97	0	27	11,666	0)	0	0 0	0	1,630
CHESTERFIELD	KAISER ALU	U MINUM	FABRICAT	ED PROD	UCTS LLC	3		1901 RE	YMET RD			NAICS Code	331318
LEAD	N	0	0	0	0	0	0	0)	0	0 0	0	619
Total for Kaiser Aluminum Fabricated	Products Llc	0	0	0	0	0	0	0)	0	0 0	0	619
CHESTERFIELD	MECHANIC	SVILLE C	ONCRETE	LLC-CHE	STERFIEI	LD PLANT		3501 WA	ARBRO RD			NAICS Code	327320
LEAD COMPOUNDS	N	0	0	0	0	0	0	0)	0	0 0	0	0
Total for Mechanicsville Concrete Llc-	-Chesterfield	0	0	0	0	0	0	0	1	0	0 0	0	0
CHESTERFIELD	SAFETY-KL	EEN SYST	TEMS CHES	STER (CV	A)			1200 W	100 RD			NAICS Code	562112
BENZO(G,H,I)PERYLENE	N	0	0	0	0	0	o	0)	0	0 0	0	134
LEAD	N	0	0	0	0	0	0	0)	0	0 0	0	388
POLYCYCLIC AROMATIC COMPO	U N	0	0	0	0	0	0	0)	0	0 0	0	976
Total for Safety-Kleen Systems Ches	ter (Cva)	0	0	0	0	0	0	0)	0	0 0	0	1,498
CHESTERFIELD	TCS MATER	RIALS CHI	ESTER PLA	NT				12020 O	LD STAGE	ROAD		NAICS Code	327320
LEAD	N	0	0	0	0	0	0	0)	0	0 0	0	0
Total for Tcs Materials Chester Plant		0	0	0	0	0	0	0	1	0	0 0	0	0
Total for Above County: (12 record	ls)	0	97	97	0	27	11,666	0	1	0	0 0	0	3,809
COVINGTON (CITY)	INGEVITY V	/IRGINIA	CORPORA	TION				958 E RI	VERSIDE	ST		NAICS Code	325998
DIOXIN AND DIOXIN-LIKE COMPO) N	0	0	0	0	0	0	0)	0	0 0	0	0
Total for Ingevity Virginia Corporation		0	0	0	0	0	0	0	1	0	0 0	0	0

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Facility County/Independent City	7			On-Site						agemen			Transfers
Facility Name/Ac			fi	rom Section	5 of Form	R	Total	fro	om Section	8 of Form R	Total	from Section	6 of Form R
1 Wolliey 1 (Willo, 120	141 055	Fugitive	Stack	Total			On-Site	Energy			On-Site		Total Other Off-Site
Chemical Name	£ A*	Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment	Management	POTW	Transfers **
	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
COVINGTON (CITY) W	ESTROCK	VIRGINL	A CORP (E	NTIRE)				104 E. R	IVERSIDE	STREET		NAICS Code	322130
BENZO(G,H,I)PERYLENE	N	0	4	4	0	0	9	0	1	0	0 0	0	0
DIOXIN AND DIOXIN-LIKE COMPO	N	0	0	0	0	0	0	0)	0	0 0	0	0
LEAD COMPOUNDS	N	0	130	130	0	91	12,221	0)	0	0 0	0	0
MERCURY COMPOUNDS	N	0	26	26	0	1	51	0)	0	0 0	0	0
POLYCYCLIC AROMATIC COMPOU	N	0	370	370	0	0	422	0)	0	0 0	0	0
Total for Westrock Virginia Corp (Entire))	0	529	529	0	92	12,703	0)	0	0 0	0	0
Total for Above County: (6 records)		0	529	529	0	92	12,703	0	1	0	0 0	0	0
CULPEPER B	INGHAM &	t TAYLOR	1					601 NAL	LE PL			NAICS Code	331511
LEAD	N	0	31	31	0	0	31	0)	0	0 0	0	792
Total for Bingham & Taylor		0	31	31	0	0	31	0)	0	0 0	0	792
CULPEPER B	RANTNER	& ASSOC	IATES INC	, DBA TE (CONNECT	IVITY MO)G	751 OLD	BRANDY	RD		NAICS Code	331491
LEAD	N	0	0	0	0	0	0	0)	0	0 0	0	93
Total for Brantner & Associates Inc, Dba	Te Conne	0	0	0	0	0	0	0)	0	0 0	0	93
Total for Above County: (2 records)		0	31	31	0	0	31	0	1	0	0 0	0	885
DANVILLE (CITY)	IT SOUTH							350 SLA	YTON AV	ENUE		NAICS Code	334111
LEAD COMPOUNDS	N	0	0	0	0	0	0	0)	0	0 0	0	78
Total for Eit South		0	0	0	0	0	0	0)	0	0 0	0	78
DANVILLE (CITY)	HE GOODY	EAR TIR	E & RUBBI	ER CO.				1901 GO	ODYEAR	BLVD		NAICS Code	326211
LEAD COMPOUNDS	N	0	2	2	0	0	2	0)	0	0 0	9	195
POLYCYCLIC AROMATIC COMPOU	N	0	4	4	0	0	4	0)	0	0 0	0	650
Total for The Goodyear Tire & Rubber C	co.	0	7	7	0	0	7	0)	0	0 0	9	845
Total for Above County: (3 records)		0	7	7	0	0	7	0)	0	0 0	9	923
DINWIDDIE C	HAPARRA	L (VA) INC	C				j	25801 Н	OFHEIME	R WAY		NAICS Code	331110
DIOXIN AND DIOXIN-LIKE COMPO	N	0	0	0	0	0	0	0)	0	0 0	0	0

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Facility County/Independent (~itv			On-Site						agemen		Off-Site	Transfers
	•		fı	rom Section	15 of Form	R		fre	om Section	8 of Form R		from Section	6 of Form R
Facility Name	/Address	Fugitive	Stack	Total			Total On-Site	Energy			Total On-Site		Total Other
Chemical Name		Air	Stack Air	1 otai Air	Land	Water	Releases	Recovery	Recycling	Treatment	Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
LEAD COMPOUNDS	N	80	10	90	0	0	90	0)	0	0 0	0	212,096
MERCURY COMPOUNDS	N	0	172	172	0	0	172	0)	0	0 0	0	91
Total for Chaparral (Va) Inc		80	182	262	0	0	262	0)	0	0 0	0	212,187
DINWIDDIE	TMS INTER	NATIONA	L, LLC					25805 H	OFHEIME	ER WAY		NAICS Code	562920
LEAD COMPOUNDS	N	0	0	0	0	0	0	0)	0	0 0	0	0
Total for Tms International, Llc		0	0	0	0	0	0	0)	0	0 0	0	0
Total for Above County: (4 record	s)	80	182	262	0	0	262	0)	0	0 0	0	212,187
FAIRFAX	BREN MAR							6315 BR	EN MAR I)R		NAICS Code	922120
LEAD	N	0	0	0	0	0	0	0)	0	0 0	0	0
Total for Bren Mar		0	0	0	0	0	0	0)	0	0 0	0	0
FAIRFAX	NEWINGTO	N CONCR	ETE PLAN	T				8413 TE	RMINAL F	RD		NAICS Code	327320
LEAD	N	0	0	0	0	0	0	0)	0	0 0	0	0
Total for Newington Concrete Plant		0	0	0	0	0	0	0)	0	0 0	0	0
FAIRFAX	SUPERIOR O	CONCRET	E MATERI	ALS INC.	- LORTON	1		8420 TE	RMINAL F	RD		NAICS Code	327320
LEAD	N	4	0	4	0	0	4	0)	0	0 0	0	0
Total for Superior Concrete Materials	s Inc Lorton	4	0	4	0	0	4	0)	0	0 0	0	0
FAIRFAX	TITAN VIRG	GINIA REA	DY-MIX L	LC-CENTI	REVILLE	PLANT		15718 L	EE HIGHW	VAY		NAICS Code	327320
LEAD	N	0	0	0	0	0	0	0)	0	0 0	0	0
Total for Titan Virginia Ready-Mix Llo	c-Centreville PI	0	0	0	0	0	0	0)	0	0 0	0	0
FAIRFAX	TITAN VIRG	GINIA REA	DY-MIX L	LC-SPRIN	GFIELD P	PLANT		6600 EL	ECTRONI	C DR		NAICS Code	327320
LEAD COMPOUNDS	N	0	0	0	0	0	0	0)	0	0 0	0	0
Total for Titan Virginia Ready-Mix Llo	c-Springfield PI	0	0	0	0	0	0	0)	0	0 0	0	0
FAIRFAX	VIRGINIA C	ONCRETI	E EDSALL	ROAD PLA	ANT			5412 INI	DUSTRIAL	DR		NAICS Code	327320
LEAD	N	0	0	0	0	0	0	0)	0	0 0	0	0
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Facility County/Independent Ci	tv		(On-Site	Release	S				agemen		Off-Site	Transfers
• • •	•		fi	rom Section	5 of Form	R		fre	om Section 8	8 of Form R		from Section	n 6 of Form R
Facility Name/A	Maaress	Fugitive	Stack	Total			Total On-Site	Energy			Total On-Site		Total Other
Chemical Name		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment		POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
Total for Virginia Concrete Edsall Road	d Plant	0	0	0	0	0	0	0) (0	0 0	0	0
FAIRFAX	VIRGINIA PA	AVING CO	OMPANY O	CCOQUA	N PLANT			10000 O	X RD			NAICS Cod	e 324121
BENZO(G,H,I)PERYLENE	N	0	0	0	0	0	0	0)	0	0 0	0	0
POLYCYCLIC AROMATIC COMPOU	J N	0	0	1	0	0	1	0)	0	0 0	0	0
Total for Virginia Paving Company Occ	coquan Plant	0	0	1	0	0	1	0) (0	0 0	0	0
Total for Above County: (8 records)	1	5	0	5	0	0	5	0) (0	0 0	0	0
FAIRFAX (CITY)	MOTIVA FA	IRFAX TE	RMINAL					3800 PIC	CKETT RD			NAICS Cod	e 424710
BENZO(G,H,I)PERYLENE	N	0	0	0	0	0	0	0)	0	0 0	0	0
LEAD COMPOUNDS	N	0	0	0	0	0	0	0		0	0 0	0	0
POLYCYCLIC AROMATIC COMPOU	J N	0	0	0	0	0	0	0		0	0 0	0	0
Total for Motiva Fairfax Terminal		0	0	0	0	0	0	0) (0	0 0	0	0
Total for Above County: (3 records)	1	0	0	0	0	0	0	0) (0	0 0	0	0
FALLS CHURCH (CITY)	VIRGINIA CO	ONCRETE	E FALLS C	HURCH PI	LANT			7103 GO	RDON RD			NAICS Cod	e 327320
LEAD	N	0	0	0	0	0	0	0)	0	0 0	0	0
Total for Virginia Concrete Falls Churc	h Plant	0	0	0	0	0	0	0) (0	0 0	0	0
Total for Above County: (1 record)		0	0	0	0	0	0	0) (0	0 0	0	0
FAUQUIER	CHEMETRIC	CS INC						4295 CA	TLETT RD	•		NAICS Cod	e 325998
MERCURY COMPOUNDS	N	0	0	0	0	0	0	0)	0	0 0	0	15
Total for Chemetrics Inc		0	0	0	0	0	0	0) (0	0 0	0	15
FAUQUIER	OLD DOMIN	ION ELEC	CTRIC CO-	OP MARS	H RUN GE	ENERATIO	N FACIL	12109 LU	UCKY HIL	L RD		NAICS Cod	e 221112
POLYCYCLIC AROMATIC COMPOU	J N	0	26	26	0	0	26	0)	0	0 0	0	0
Total for Old Dominion Electric Co-Op	Marsh Run	0	26	26	0	0	26	0) (0	0 0	0	0
FAUQUIER	REMINGTON	N POWER	STATION					12025 LU	UCKY HIL	L ROAD		NAICS Cod	e 221112
POLYCYCLIC AROMATIC COMPOL	J N	0	0	0	0	0	0	0)	0	0 0	0	0
Total for Remington Power Station		0	0	0	0	0	0	0)	0	0 0	0	0

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Facility County/Independent (City				Releases					agement		Off-Site	Transfers
Facility Name	•		fr	om Section	5 of Form	R	7D 4 1	fro	om Section 8	8 of Form R		from Section	1 6 of Form R
Facility Name	e/Address	Fugitive	Stack	Total			Total On-Site	Energy			Total On-Site		Total Other
Chemical Name		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment	Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
FAUQUIER	US DOD WAI	RRENTON	TRAINING	G CENTER	R STATION	В		7472 BE.	AR WALL	OW RD		NAICS Code	928110
LEAD	N	0	0	0	0	0	0	0		0	0 0	0	4,701
Total for Us Dod Warrenton Training	Center Statio	0	0	0	0	0	0	0		0	0 0	0	4,701
FAUQUIER	US DOD WAI	RRENTON	TRAINING	G CENTER	R STATION	C RANG	E	7248 SU I	MERDUCK	K RD		NAICS Code	928110
LEAD	N	0	0	0	0	0	0	0		0	0 0	0	830
Total for Us Dod Warrenton Training	Genter Statio	0	0	0	0	0	0	0		0	0 0	0	830
Total for Above County: (5 record	is)	0	26	26	0	0	26	0		0	0 0	0	5,545
FREDERICK	O-N MINERA	ALS (CHE	MSTONE) V	WINCHES	TER LIME	PLANT		508 QUA	ARRY LN			NAICS Code	e 327410
LEAD COMPOUNDS	N	0	0	0	0	0	152	0		0	0 0	0	0
Total for O-N Minerals (Chemstone)	Winchester Li	0	0	0	0	0	152	0		0	0 0	0	0
FREDERICK	TITAN VIRG	INIA REA	DY-MIX LI	LC-CLEAF	R BROOK	PLANT		1383 BR	UCETOWN	N RD		NAICS Code	327320
LEAD COMPOUNDS	N	0	0	0	0	0	0	0		0	0 0	0	0
Total for Titan Virginia Ready-Mix Llo	c-Clear Brook	0	0	0	0	0	0	0		0	0 0	0	0
FREDERICK	VIRGINIA C	ONCRETE	E - STEPHE	NS CITY				339 EST	EP ROAD			NAICS Code	327320
LEAD	N	0	0	0	0	0	0	0		0	0 0	0	0
Total for Virginia Concrete - Stepher	ns City	0	0	0	0	0	0	0		0	0 0	0	0
Total for Above County: (3 record	is)	0	0	0	0	0	152	0		0	0 0	0	0
GALAX (CITY)	GUARDIAN	FABRICA	ΓΙΟΝ, LLC	- PLANT 2	2			110 JAC	K GUYNN	DR		NAICS Code	327215
LEAD	N	0	0	0	0	0	0	0		0	0 0	1	136
Total for Guardian Fabrication, Llc -	Plant 2	0	0	0	0	0	0	0		0	0 0	1	136
GALAX (CITY)	WEBB ENTE	RPRISES	LLC AMER	RICAN MII	RROR			602 E ST	CUART DR			NAICS Code	327215
LEAD COMPOUNDS	N	0	0	0	0	0	0	0		0	0 0	0	0
Total for Webb Enterprises Llc Amer	rican Mirror	0	0	0	0	0	0	0		0	0 0	0	0
Total for Above County: (2 record	is)	0	0	0	0	0	o	0		0	0 0	1	136

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Facility County/Independent (~itv		(On-Site 1	Releases	S				agemen		Off-Site	Transfers
• • •	•		fı	rom Section	5 of Form	R		fro	om Section 8	8 of Form R		from Section	<u>1 6 of Form R</u>
Facility Name	/Address	Fugitive	Stack	Total			Total On-Site	Energy			Total		Total Other
		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment	On-Site Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
GILES	CELANESE A	ACETATE	LLC - CEI	LCO P LAN	T			3520 VII	RGINIA AV	Έ		NAICS Code	325220
MERCURY	N	0	2	2	0	0	2	0		0	0 0	0	86
POLYCHLORINATED BIPHENYLS	N	0	0	0	0	0	0	0		0	0 0	0	48
Total for Celanese Acetate Lic - Celo	co P Lant	0	2	2	0	0	2	0		0	0 0	0	133
GILES	LHOIST NA	OF VIRGI	NIA INC K	IMBALLT	ON AREA	1		2093 BIG	G STONY C	CREEK RD		NAICS Code	327410
LEAD COMPOUNDS	N	0	1	1	0	0	1,548	0		0	0 0	0	0
MERCURY COMPOUNDS	N	0	5	5	0	0	18	0		0	0 0	0	0
Total for Lhoist Na Of Virginia Inc Kir	mballton Area	0	5	5	0	0	1,565	0		0	0 0	0	0
Total for Above County: (4 record	s)	0	8	8	0	0	1,568	0		0	0 0	0	133
GREENSVILLE	GEORGIA PA	ACIFIC W	OOD PRO	DUCTS LI	LC EMPO	RIA PLYV	VOOD	634 DAV	IS ST			NAICS Code	321212
LEAD COMPOUNDS	N	0	235	235	0	0	235	0		0	0 0	0	48
Total for Georgia Pacific Wood Prod	ducts Llc Emp	0	235	235	0	0	235	0		0	0 0	0	48
GREENSVILLE	STEELFAB (F VIRGI	NIA INC					1510 RE	ESE ST			NAICS Code	332312
LEAD	N	10	1	11	0	0	11	0		0	0 0	0	2,567
Total for Steelfab Of Virginia Inc		10	1	11	0	0	11	0		0	0 0	0	2,567
Total for Above County: (2 record	s)	10	236	246	0	0	246	0		0	0 0	0	2,615
HALIFAX	CLOVER PO	WER STA	TION					4091 CL	OVER RD			NAICS Code	221112
DIOXIN AND DIOXIN-LIKE COMP	O N	0	0	0	0	0	0	0		0	0 0	0	0
MERCURY COMPOUNDS	N	0	2	2	0	1	223	0		0	0 0	0	13
POLYCYCLIC AROMATIC COMPO	DU N	0	1	1	0	0	1	0		0	0 0	0	0
Total for Clover Power Station		0	3	3	0	1	224	0		0	0 0	0	13
HALIFAX	HUBER ENG	INEERED	WOODS L	LC				1000 CH	ANEY LN			NAICS Code	321219
DIOXIN AND DIOXIN-LIKE COMP	O N	0	0	0	0	0	0	0		0	0 0	0	0
LEAD COMPOUNDS	N	0	99	99	0	0	99	0		0	0 0	0	47
Total for Huber Engineered Woods L	_lc	0	99	99	0	0	99	0		0	0 0	0	47

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Facility County/Independent C	itv			On-Site						agement	t	Off-Site	Transfers
• • •	•		fi	rom Section	5 of Form	R	m . 1	fre	om Section 8	3 of Form R	T	from Section	1 6 of Form R
Facility Name/A	Address	Fugitive	Stack	Total			Total On-Site	Energy			Total On-Site		Total Other
Chemical Name		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment	Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
Total for Above County: (5 records)	0	102	102	0	1	323	0		0	0 0	0	60
HAMPTON (CITY)	BRANSCOM	Е-НАМРТ	ON					1922 W	PEMBROK	E AVE		NAICS Code	324121
BENZO(G,H,I)PERYLENE	N	0	0	0	0	0	0	0		0	0 0	0	0
LEAD	N	0	0	0	0	0	0	0)	0	0 0	0	0
POLYCYCLIC AROMATIC COMPOU	J N	1	0	1	0	0	1	0)	0	0 0	0	0
Total for Branscome-Hampton		1	0	1	0	0	1	0		0	0 0	0	0
Total for Above County: (3 records)	1	0	1	0	0	1	0		0	0 0	0	0
HANOVER	CONCRETE	PIPE & P	RECAST LI	LC-ASHLA	ND PREC	AST PLAN	T	11352 VI	IRGINIA PI	RECAST RI	D	NAICS Code	327332
LEAD	N	0	0	0	0	0	0	0		0	0 0	0	0
Total for Concrete Pipe & Precast Llc-	Ashland Pre	0	0	0	0	0	0	0		0	0 0	0	0
HANOVER	CONCRETE	PIPE & P	RECAST LI	LC-HANO	VER PIPE	PLANT		10350 D	ESIGN RD			NAICS Code	327332
LEAD	N	0	0	0	0	0	0	0)	0	0 0	0	0
Total for Concrete Pipe & Precast Llc-	Hanover Pip	0	0	0	0	0	0	0		0	0 0	0	0
HANOVER	DOSWELL I	LP						10098 O	LD RIDGE	RD		NAICS Code	221112
POLYCYCLIC AROMATIC COMPOU	J N	0	167	167	0	0	612	0)	0	0 0	0	0
Total for Doswell Lp		0	167	167	0	0	612	0		0	0 0	0	0
HANOVER	SOUTH ATL	ANTIC GA	ALVANIZIN	NG LLC				11022 LI	EWISTOW	N RD		NAICS Code	332812
LEAD	N	16	0	16	0	1	17	0		0	0 0	0	3,419
Total for South Atlantic Galvanizing LI	С	16	0	16	0	1	17	0		0	0 0	0	3,419
Total for Above County: (4 records)	16	167	184	0	1	630	0		0	0 0	0	3,419
HARRISONBURG (CITY)	TENNECO V	VALKER I	MANUFAC	TURING C	O			3160 AB	BOTT LN			NAICS Code	336390
LEAD	N	0	0	0	0	0	0	0		0	0 0	0	173
Total for Tenneco Walker Manufacturi	ing Co	0	0	0	0	0	0	0		0	0 0	0	173
Total for Above County: (1 record)		0	0	0	0	0	0	0		0	0 0	0	173

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Facility County/Independent Ci	ity			On-Site						agement			Transfers
Facility Name/A	·		fı	rom Section	5 of Form	R	Total	fro	om Section 8	8 of Form R	Total	from Section	6 of Form R
Facility Ivalie/E	Auui ess	Fugitive	Stack	Total			On-Site	Energy			On-Site		Total Other Off-Site
Chemical Name		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment	Management Management	POTW	Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
HENRICO	ARGOS REA	DY MIX E	BRYAN PAI	RK CONCE	RETE PLA	NT		4607 RA	CRETE RE)		NAICS Code	327320
LEAD	N	0	0	0	0	0	0	0		0	0 0	0	0
Total for Argos Ready Mix Bryan Park	Concrete PI	0	0	0	0	0	0	0	(0	0 0	0	0
HENRICO	IR ENGRAV	ING LLC						5901 LE	WIS RD			NAICS Code	323111
LEAD	N	0	0	0	0	0	0	0		0	0 0	0	4,107
Total for Ir Engraving Llc		0	0	0	0	0	0	0	(0	0 0	0	4,107
HENRICO	MECHANIC	SVILLE C	ONCRETE	LLC-AIRP	ORT PLA	NT (OAKI	LEYS LA	4481 OA	KLEYS LN	I		NAICS Code	327320
LEAD COMPOUNDS	N	0	0	0	0	0	0	0		0	0 0	0	0
Total for Mechanicsville Concrete Llc-	Airport Plant	0	0	0	0	0	0	0	(0	0 0	0	0
Total for Above County: (3 records))	0	0	0	0	0	0	0	(0	0 0	0	4,107
HENRY	PINE PRODU	JCTS INC						315 CAR	EVER RD			NAICS Code	321113
LEAD	N	0	962	962	0	0	962	0		0	0 0	0	0
Total for Pine Products Inc		0	962	962	0	0	962	0	(0	0 0	0	0
HENRY	VIRGINIA M	IIRROR C	O INC					300 S M	OSS ST			NAICS Code	327215
LEAD COMPOUNDS	N	0	1	1	0	0	1	0		0	0 0	1	91
Total for Virginia Mirror Co Inc		0	1	1	0	0	1	0	(0	0 0	1	91
Total for Above County: (2 records))	0	963	963	0	0	963	0	(0	0 0	1	91
HOPEWELL (CITY)	ADVANSIX I	NC HOPE	WELL PLA	NT				905 E RA	ANDOLPH	RD		NAICS Code	325199
POLYCYCLIC AROMATIC COMPOU	J N	11	0	11	0	0	11	0		0	0 0	0	0
Total for Advansix Inc Hopewell Plant		11	0	11	0	0	11	0	(0	0 0	0	0
HOPEWELL (CITY)	ASSOCIATE	D ASPHAI	LT HOPEW	ELL LLC				410 WA	TER ST			NAICS Code	424710
BENZO(G,H,I)PERYLENE	N	0	0	0	0	0	0	0		0	0 0	0	0
POLYCYCLIC AROMATIC COMPOU	J N	0	4	4	0	0	4	0		0	0 0	0	0
Total for Associated Asphalt Hopewell	l Llc	0	4	4	0	0	4	0	(0	0 0	0	0

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Facility County/Independent C	`itv		(On-Site 1	Release	S				agement		Off-Site	Transfers
• • •	•		fi	rom Section	5 of Form	R	TD ()	fre	om Section	8 of Form R		from Section	6 of Form R
Facility Name/	Auuress	Fugitive	Stack	Total			Total On-Site	Energy			Total On-Site		Total Other
Chamical Name		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment	Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
HOPEWELL (CITY)	CITY POINT	ENERGY	CENTER					912 E R	ANDOLPH	RD		NAICS Code	221112
DIOXIN AND DIOXIN-LIKE COMPO	O N	0	0	0	0	0	0	0)	0	0 0	0	0
LEAD COMPOUNDS	N	0	8	8	0	14	22	0)	0	0 0	0	3
MERCURY COMPOUNDS	N	0	111	111	0	1	111	0)	0	0 0	0	0
Total for City Point Energy Center		0	119	119	0	14	133	0)	0	0 0	0	4
HOPEWELL (CITY)	WESTROCK	CP LLC						910 IND	USTRIAL S	ST		NAICS Code	322130
LEAD COMPOUNDS	N	0	15	15	0	0	15	0)	0	0 0	405	885
Total for Westrock Cp Llc		0	15	15	0	0	15	0)	0	0 0	405	885
Total for Above County: (7 records	s)	11	138	149	0	14	163	0)	0	0 0	405	888
ISLE OF WIGHT	INTERNATIO	ONAL PAI	PER FRANI	KLIN MILI	L			34040 UI	NION CAM	IP DR		NAICS Code	322110
DIOXIN AND DIOXIN-LIKE COMPO	O N	0	0	0	0	0	0	0)	0	0 0	0	0
LEAD COMPOUNDS	N	0	28	28	0	72	100	0)	0	0 0	0	1,048
Total for International Paper Franklin	Mill	0	28	28	0	72	100	0)	0	0 0	0	1,048
ISLE OF WIGHT	ST TISSUE L	LC						34050 UI	NION CAM	IP DR		NAICS Code	322121
LEAD	N	0	1	1	0	0	1	0)	0	0 0	0	388
Total for St Tissue Llc		0	1	1	0	0	1	0)	0	0 0	0	388
Total for Above County: (3 records	s)	0	28	28	0	72	100	0	1	0	0 0	0	1,436
JAMES CITY	BALL META	L BEVER	AGE CONT	TAINER CO	ORP			8935 PO	CAHONTA	S TRAIL J	AMES RIVER	NOICS Code	332431
LEAD	N	0	0	0	0	0	0	0)	0	0 0	3	3
Total for Ball Metal Beverage Contain	ner Corp	0	0	0	0	0	0	0)	0	0 0	3	3
JAMES CITY	BRANSCOM	E-LEE HA	LL					9393 ME	ERRIMAC '	TRAIL		NAICS Code	324121
BENZO(G,H,I)PERYLENE	N	0	0	0	0	0	0	0)	0	0 0	0	0
LEAD COMPOUNDS	N	0	0	0	0	0	0	0)	0	0 0	0	0
POLYCYCLIC AROMATIC COMPO	U N	1	0	1	0	0	1	0)	0	0 0	0	0
Total for Branscome-Lee Hall		1	0	1	0	0	1	0)	0	0 0	0	0

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Facility County/Independent C	`itv			On-Site						agemen		Off-Site	Transfers
Facility Name/	•		fı	om Section	5 of Form	R	T-4-1	fre	om Section	8 of Form R		from Section	6 of Form R
racinty Name/	Auuless	Fugitive	Stack	Total			Total On-Site	Energy			Total On-Site		Total Other Off-Site
Chemical Name		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment		POTW	Transfers **
Chemical Ivanic	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
JAMES CITY	GREYSTONE	E OF VIRO	GINIA INC					7992 RIG	CHMOND I	RD		NAICS Code	332813
LEAD COMPOUNDS	N	0	0	0	0	0	0	0)	0	0 0	2	747
Total for Greystone Of Virginia Inc		0	0	0	0	0	0	0	1	0	0 0	2	747
JAMES CITY	OWENS-BRO	OCKWAY	GLASS CO	NTAINER	INC PLAN	NT 26		150 IND	USTRIAL I	BLVD		NAICS Code	327213
LEAD COMPOUNDS	N	0	29	29	0	0	29	0	1	6	0 16	0	0
Total for Owens-Brockway Glass Cor	ntainer Inc Pla	0	29	29	0	0	29	0	1	6	0 16	0	0
Total for Above County: (6 records	s)	1	29	30	0	0	30	0	1	6	0 16	5	751
KING GEORGE	BIRCHWOO	D POWER	FACILITY	7				10900 Bl	RCHWOO	D DR		NAICS Code	221112
LEAD COMPOUNDS	N	0	0	0	0	0	0	0)	0	0 0	0	7,955
MERCURY COMPOUNDS	N	0	0	0	0	0	0	0)	0	0 0	0	29
Total for Birchwood Power Facility		0	0	0	0	0	0	0)	0	0 0	0	7,984
Total for Above County: (2 records	s)	0	0	0	0	0	0	0)	0	0 0	0	7,984
KING WILLIAM	WESTROCK	CP, LLC						1901 MA	AIN ST			NAICS Code	322110
BENZO(G,H,I)PERYLENE	N	0	2	2	0	0	2	0)	0	0 0	0	2
DIOXIN AND DIOXIN-LIKE COMPO	O N	0	0	0	0	0	0	0)	0	0 0	0	0
LEAD COMPOUNDS	N	0	34	34	0	196	230	0)	0	0 0	0	1,643
MERCURY COMPOUNDS	N	0	9	9	0	1	9	0)	0	0 0	0	11
POLYCYCLIC AROMATIC COMPO	U N	0	218	218	0	0	218	0)	0	0 0	0	23
Total for Westrock Cp, Llc		0	263	263	0	196	459	0)	0	0 0	0	1,679
Total for Above County: (5 records	s)	0	263	263	0	196	459	0)	0	0 0	0	1,679
LEE	US PENITEN	TIARY LI	EE					LEE CO	UNTY IND	US TRIAL	PARK HICK	ORMCS Code	922140
LEAD COMPOUNDS	N	1	0	1	0	0	1,071	0)	0	0 0	0	0
Total for Us Penitentiary Lee		1	0	1	0	0	1,071	0	1	0	0 0	0	0
Total for Above County: (1 record))	1	0	1	0	0	1,071	0	1	0	0 0	0	0
LOUDOUN	CHANTILLY	READY I	MIX CONC	RETE				25232 W	TLLARD R	OAD		NAICS Code	327320

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Facility County/Independent (Facility Name	·				Release					agement			Transfers
	Address		fr	rom Section	5 of Form	R	Total	fro	om Section 8	8 of Form R	Total	from Section	n 6 of Form R
Pacificy Ivanic	Addiess	Fugitive	Stack	Total			On-Site	Energy			On-Site		Total Other Off-Site
Chemical Name		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment	Management	POTW	Transfers **
	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
LEAD COMPOUNDS	N	0	0	0	0	0	10	0		0	0 0	0	10
MERCURY COMPOUNDS	N	0	0	1	0	0	1	0		0	0 0	0	0
Total for Chantilly Ready Mix Concre	ete	0	0	1	0	0	11	0	(0	0 0	0	10
LOUDOUN	ELECTRONI	IC INSTRU	JMENTATI	ON & TEC	CHNOLOG	SY LLC		309 KEL	LYS FORI	PLZ SE		NAICS Code	e 334418
LEAD	N	0	0	0	0	0	0	0		0	0 0	0	31
Total for Electronic Instrumentation	& Technology L	0	0	0	0	0	0	0	(0	0 0	0	31
LOUDOUN	GEA SYSTEM	MS DBA L	LC (DBA L	LC DOWT	Y PROPE	LLERS)		114 POV	VERS CT			NAICS Code	e 336413
LEAD	N	0	0	0	0	0	0	0		0	0 0	0	0
Total for Gea Systems Dba Llc (Dba	Llc Dowty Pro	0	0	0	0	0	0	0	(0	0 0	0	0
LOUDOUN	SUPERIOR C	CONCRET	E MATERI	ALS INC.	- DULLES			44146 W	ADE DR			NAICS Code	e 327320
LEAD	N	30	0	30	0	0	30	0		0	0 0	0	0
MERCURY	N	0	0	0	0	0	0	0		0	0 0	0	0
Total for Superior Concrete Material	s Inc Dulles	30	0	31	0	0	31	0	(0	0 0	0	0
LOUDOUN	TITAN VIRG	SINIA REA	DY-MIX L	LC-STERI	ING PLA	NT		22963 CO	ONCRETE	PLAZA		NAICS Code	e 327320
LEAD	N	0	0	0	0	0	0	0		0	0 0	0	0
Total for Titan Virginia Ready-Mix Ll	c-Sterling Plant	0	0	0	0	0	0	0	(0	0 0	0	0
LOUDOUN	TTM TECHN	OLOGIES	S NA LLC					1200 SEV	VERN WAY	Y		NAICS Code	e 334412
LEAD COMPOUNDS	N	0	0	0	0	0	0	0		0	0 0	86	5,289
Total for Ttm Technologies Na Llc		0	0	0	0	0	0	0	(0	0 0	86	5,289
LOUDOUN	US DHS MT	WEATHEI	R EOC					19844 BI	LUE RIDGI	E MOUNTA	AIN RD	NAICS Code	e 922190
LEAD COMPOUNDS	N	4	0	4	0	0	4	0		0	0 0	0	1,550
Total for Us Dhs Mt Weather Eoc		4	0	4	0	0	4	0	(0	0 0	0	1,550
LOUDOUN	VIRGINIA C	ONCRETE	E CO INC-C	CHANTILL	Y			25086 TA	ANNER LN			NAICS Code	e 327320
LEAD	N	0	0	0	0	0	0	0		0	0 0	0	0

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Facility County/Independent C	City			On-Site					Site Man				Transfers
Facility Name/	•		fi	om Section	5 of Form	R	Total	fro	om Section 8	of Form R	Total	from Section	6 of Form R
racincy (value)	1 Iddi CSS	Fugitive	Stack	Total			On-Site	Energy			On-Site		Total Other Off-Site
Chemical Name		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment	Management	POTW	Transfers **
	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
Total for Virginia Concrete Co Inc-Ch	•	0	0	0	0	0	0	0			0 0		0
LOUDOUN	VIRGINIA C	ONCRETE	E COCHRA	N MILL				42574 CO	OCHRAN M	IILL RD		NAICS Code	327320
LEAD	N	0	0	0	0	0	0	0	()	0 0	0	0
Total for Virginia Concrete Cochran N	⁄lill	0	0	0	0	0	0	0	()	0 0	0	0
LOUDOUN	VIRGINIA C	ONCRETE	E DULLES	PLANT				44866 Ol	LD OX ROA	AD		NAICS Code	327320
LEAD	N	0	0	0	0	0	0	0	()	0 0	0	0
Total for Virginia Concrete Dulles Pla	nt	0	0	0	0	0	0	0	()	0 0	0	0
Total for Above County: (12 record	ds)	35	1	36	0	0	46	0	()	0 0	86	6,880
LOUISA	GORDONSV	ILLE POW	VER STATI	ON				819 HIL	L RD			NAICS Code	221112
POLYCYCLIC AROMATIC COMPO	U N	0	0	0	0	0	0	0	()	0 0	0	0
Total for Gordonsville Power Station		0	0	0	0	0	0	0	()	0 0	0	0
LOUISA	OLD DOMIN	ION ELEC	CTRIC CO-	OP LOUIS	A GENER	ATION FA	CILITY	3352 KL	OCKNER F	RD		NAICS Code	221112
POLYCYCLIC AROMATIC COMPO	U N	0	26	26	0	0	26	0	()	0 0	0	0
Total for Old Dominion Electric Co-O	p Louisa Gene	0	26	26	0	0	26	0	()	0 0	0	0
Total for Above County: (2 records	s)	0	26	26	0	0	26	0	()	0 0	0	0
LYNCHBURG (CITY)	BANKER ST	EEL COM	PANY, LLO	C				1619 WY	THE RD			NAICS Code	332312
LEAD	N	0	0	0	0	0	0	0	()	0 0	0	1,490
Total for Banker Steel Company, Llc		0	0	0	0	0	0	0	()	0 0	0	1,490
LYNCHBURG (CITY)	GRIFFIN PIP	PE PRODU	CTS CO					10 ADAN	MS ST			NAICS Code	331511
LEAD COMPOUNDS	N	4	1,676	1,680	0	3	1,683	0	()	0 0	40	53,527
MERCURY COMPOUNDS	N	0	1	1	0	0	1	0	()	0 0	0	20
Total for Griffin Pipe Products Co		4	1,677	1,681	0	3	1,683	0	()	0 0	40	53,547
LYNCHBURG (CITY)	PARKER HA	NNIFIN I	NTEGRATI	ED SEALS	DIV			3700 MA	YFLOWER	R DR		NAICS Code	326291
LEAD COMPOUNDS	N	0	501	501	0	0	501	0	()	0 0	0	0

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Facility County/Independent (City)n-Site					ite Man		t	Off-Site	Transfers
Facility Name	•		fr	om Section	5 of Form	R	T. 4.1	fro	om Section 8	of Form R	70.41	from Section	6 of Form R
Facility Name	Audress	Fugitive	Stack	Total			Total On-Site	Energy			Total On-Site		Total Other
Chemical Name		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment		POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
Total for Parker Hannifin Integrated	Seals Div	0	501	501	0	0	501	0	()	0 0	0	0
LYNCHBURG (CITY)	WESTROCK	/ SEVEN	HILLS LLC					1801 CO	NCORD TU	IRNPIKE		NAICS Code	322121
LEAD	N	0	0	0	0	0	0	0	()	0 0	1	118
Total for Westrock / Seven Hills Llc		0	0	0	0	0	0	0	()	0 0	1	118
Total for Above County: (5 record	ls)	4	2,178	2,182	0	3	2,185	0	()	0 0	41	55,155
MECKLENBURG	AMERICAN	BUILDIN	GS COMPA	NY-LA CR	ROSSE			501 GOL	DEN EAGI	LE DR		NAICS Code	332311
LEAD	N	0	0	0	0	0	0	0	()	0 0	0	530
Total for American Buildings Compa	ny-La Crosse	0	0	0	0	0	0	0	()	0 0	0	530
MECKLENBURG	MECKLENB	URG POV	VER STATIO	ON				204 COC	GEN DR			NAICS Code	221112
LEAD COMPOUNDS	N	0	2	2	0	1	3	0	()	0 0	0	17
Total for Mecklenburg Power Station	1	0	2	2	0	1	3	0	()	0 0	0	17
MECKLENBURG	PALLET ON	E OF VIR	GINIA					820 BOY	D ST			NAICS Code	321920
LEAD COMPOUNDS	N	0	2	2	0	0	2	0	()	0 0	0	0
Total for Pallet One Of Virginia		0	2	2	0	0	2	0	()	0 0	0	0
Total for Above County: (3 record	ls)	0	4	4	0	1	5	0	()	0 0	0	547
MONTGOMERY	ALLIANT TE	ECHSYSTI	EMS OPERA	ATIONS L	LC (NEW	RIVER EN	ERGETI	RT 114 F	RADFORD .	ARMY AM	MUNITION P	NAICS Code	325920
LEAD COMPOUNDS	N	0	5	5	0	0	5	0	()	0 0	0	1,285
Total for Alliant Techsystems Opera	tions Llc (New	0	5	5	0	0	5	0	()	0 0	0	1,285
MONTGOMERY	BAE SYSTEM	MS, ORDN	ANCE SYS	TEMS INC				RADFO	RD ARMY	AMMUNIT	ION PLANT 4	050ICS Code	325920
DIOXIN AND DIOXIN-LIKE COMP	o N	0	0	0	0	0	0	0	()	0 0	0	0
LEAD COMPOUNDS	N	1,562	83	1,645	0	129	1,774	0	()	0 0	0	0
MERCURY	N	0	0	0	0	0	0	0	()	0 0	0	0
Total for Bae Systems, Ordnance Sy	stems Inc	1,562	83	1,645	0	129	1,774	0	C)	0 0	0	0
MONTGOMERY	FEDERAL M	OGUL PO	OWERTRAI	N LLC.				300 IND	USTRIAL P	ARK RD S	E	NAICS Code	336350

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Facility County/Independent (City			On-Site 1					Site Man			Off-Site	Transfers
• • •	•		fr	om Section	5 of Form	R		fro	om Section 8	3 of Form R		from Section	1 6 of Form R
Facility Name	Address	Fugitive	Stack	Total			Total On-Site	Energy			Total On-Site		Total Other
		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment	Management	POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
LEAD	N	0	9	9	0	0	9	0	(0	0 0	0	529
Total for Federal Mogul Powertrain L	.lc.	0	9	9	0	0	9	0)	0 0	0	529
MONTGOMERY	MOOG INC.							1213 N N	MAIN ST			NAICS Code	334419
LEAD	N	0	0	0	0	0	0	0	(0	0 0	0	528
Total for Moog Inc.		0	0	0	0	0	0	0)	0 0	0	528
Total for Above County: (6 record	s)	1,562	97	1,659	0	129	1,788	0)	0 0	0	2,342
NEWPORT NEWS (CITY)	BKEP MATE	ERIALS, L	LC NEWI	PORT NEW	VS VA			801 TER	MINAL AV	/E		NAICS Code	324121
BENZO(G,H,I)PERYLENE	N	0	0	0	0	0	0	0	(0	0 0	0	0
LEAD COMPOUNDS	N	0	0	0	0	0	0	0		0	0 0	0	0
POLYCYCLIC AROMATIC COMPO	OU N	1	1	1	0	0	1	0		1	0 1	0	7
Total for Bkep Materials, Llc Newp	ort News Va	1	1	1	0	0	1	0	•	1	0 1	0	7
NEWPORT NEWS (CITY)	HUNTINGTO	ON INGAL	LS INCORI	PORATED				4101 WA	SHINGTO	N AVE		NAICS Code	336611
LEAD	N	2	0	2	0	0	2	0	(0	0 0	0	30,861
Total for Huntington Ingalls Incorpora	ated	2	0	2	0	0	2	0)	0 0	0	30,861
NEWPORT NEWS (CITY)	JOINT BASE	LANGLE	Y EUSTIS-I	EUSTIS (JI	BLE-EUST	TIS)		705 WAS	SHINTON I	BLVD		NAICS Code	928110
LEAD	N	0	0	0	0	0	0	0)	0	0 0	0	0
Total for Joint Base Langley Eustis-E	Eustis (Jble-Eu	0	0	0	0	0	0	0)	0 0	0	0
NEWPORT NEWS (CITY)	TCS MATER	IALS NEV	VPORT NE	WS				700 SHII	ELDS RD			NAICS Code	327320
LEAD	N	0	0	0	0	0	0	0)	0	0 0	0	0
Total for Tcs Materials Newport New	rs	0	0	0	0	0	0	0)	0 0	0	0
Total for Above County: (6 record	s)	2	1	4	0	0	4	0	•	1	0 1	0	30,868
NORFOLK (CITY)	BAE SYSTEM	MS NORFO	OLK SHIP I	REPAIR			j	750 W B	ERKLEY A	VE		NAICS Code	336611
LEAD COMPOUNDS	N	9	0	9	0	0	9	0		0	0 0	9	182
Total for Bae Systems Norfolk Ship I	Repair	9	0	9	0	0	9	0)	0 0	9	182

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Facility County/Independent (Citv			On-Site						agemen			Transfers
Facility Name	•		fı	rom Section	15 of Form	R	T. 4.1	fre	om Section	8 of Form R		from Section	1 6 of Form R
racinty Name	Address	Fugitive	Stack	Total			Total On-Site	Energy			Total On-Site		Total Other Off-Site
Chemical Name		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment		POTW	Transfers **
Chemical Ivalle	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
NORFOLK (CITY)	BRANSCOM	E INC-NO	RFOLK W	ESTMINST	ΓER			3425 WE	ESTMINST	ER AVE		NAICS Code	324121
BENZO(G,H,I)PERYLENE	N	0	0	0	0	0	0	0)	0	0 0	0	0
LEAD COMPOUNDS	N	0	0	0	0	0	0	0)	0	0 0	0	0
POLYCYCLIC AROMATIC COMPO	OU N	1	0	1	0	0	1	0)	0	0 0	0	0
Total for Branscome Inc-Norfolk Wes	stminster	1	0	1	0	0	1	0)	0	0 0	0	0
NORFOLK (CITY)	CAPITAL CO	ONCRETE	INC.					400 STA	PLETON S	T		NAICS Code	327320
LEAD COMPOUNDS	N	0	0	0	0	0	0	0)	0	0 0	0	0
Total for Capital Concrete Inc.		0	0	0	0	0	0	0)	0	0 0	0	0
NORFOLK (CITY)	TITAN VIRG	INIA REA	DY-MIX L	LC-CAMP	OSTELLA	PLANT		2125 KI	MBALL TE	CRRACE		NAICS Code	327320
LEAD	N	0	0	0	0	0	0	0)	0	0 0	0	0
Total for Titan Virginia Ready-Mix Llo	c-Campostella	0	0	0	0	0	0	0	1	0	0 0	0	0
NORFOLK (CITY)	UNITED STA	TES GYP	SUM CO					1424 S M	IAIN ST			NAICS Code	327420
LEAD COMPOUNDS	N	0	1	1	0	0	1	0)	0	0 0	0	0
MERCURY COMPOUNDS	N	0	88	88	0	0	88	0)	0	0 0	0	0
Total for United States Gypsum Co		0	89	89	0	0	89	0)	0	0 0	0	0
NORFOLK (CITY)	US NAVY JO	INT EXPE	EDITIONAL	RY LITTLI	E CREEK	BASE		2600 TA	RAWA CT	SUITE 100		NAICS Code	928110
LEAD	N	0	0	0	0	0	2,340	0)	0	0 0	0	0
LEAD COMPOUNDS	N	1	0	1	0	0	1	0)	0	0 0	0	0
Total for Us Navy Joint Expeditionary	y Little Creek B	1	0	1	0	0	2,341	0	1	0	0 0	0	0
NORFOLK (CITY)	US NAVY NA	VAL STA	TION NOR	FOLK				1531 GII	LBERT ST	SUITE 2000	0	NAICS Code	928110
LEAD	N	9	0	9	0	0	9	0)	0	0 0	0	8,767
Total for Us Navy Naval Station Norf	folk	9	0	9	0	0	9	0)	0	0 0	0	8,767
Total for Above County: (11 recor	ds)	20	89	110	0	0	2,449	0)	0	0 0	9	8,949
NOTTOWAY	ARBORTEC	H FOREST	PRODUC	TS, INC.				500 DEA	RING AVI	ENUE		NAICS Code	321113

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Facility County/Independent C	`itv			On-Site					Site Man			Off-Site	Transfers
• • •	•		fr	om Section	5 of Form	R		fro	om Section 8	3 of Form R		from Section	on 6 of Form R
Facility Name/	Address	Fugitive	Stack	Total			Total On-Site	Energy			Total On-Site		Total Other
Chemical Name		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment		POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
LEAD COMPOUNDS	N	0	14	14	0	0	30	0)	0	0 0	0	0
Total for Arbortech Forest Products,	Inc.	0	14	14	0	0	30	0		0	0 0	0	0
NOTTOWAY	US ARMY NA	ATIONAL	GUARD FO	ORT PICK	ETT (INST	CALLATIO	N)	US PFO	BUILDING	316 FORT	PICKETT	NAICS Coo	le 928110
LEAD	N	0	0	0	0	0	44,469	0)	0	0 0	0	0
LEAD COMPOUNDS	N	164	0	164	0	0	164	0)	0	0 0	0	0
Total for Us Army National Guard Fo	rt Pickett (Inst	164	0	164	0	0	44,633	0		0	0 0	0	0
Total for Above County: (3 records	s)	164	14	178	0	0	44,662	0		0	0 0	0	0
PATRICK	MICROMETI	RICS SYS	ГЕМ					225 JEB	STUART I	IWY		NAICS Coo	de 332710
LEAD	N	0	0	0	0	0	0	0		0	0 0	0	0
Total for Micrometrics System		0	0	0	0	0	0	0		0	0 0	0	0
Total for Above County: (1 record))	0	0	0	0	0	0	0		0	0 0	0	0
PETERSBURG (CITY)	PRE CON, IN	C.						321 BRO	OWN ST			NAICS Coo	le 313320
LEAD	N	0	0	0	0	0	0	0)	0	0 0	0	0
Total for Pre Con, Inc.		0	0	0	0	0	0	0		0	0 0	0	0
Total for Above County: (1 record))	0	0	0	0	0	0	0		0	0 0	0	0
PITTSYLVANIA	BLUE RIDGE	FIBERB	OARD					250 CEL	OTEX DR			NAICS Coo	de 321219
POLYCYCLIC AROMATIC COMPO	OU N	19	0	19	0	0	19	0		0	0 0	0	0
Total for Blue Ridge Fiberboard		19	0	19	0	0	19	0		0	0 0	0	0
PITTSYLVANIA	JTI LEAF SE	RVICES (US) LLC					202 STIN	NSON DRIV	/E		NAICS Coo	le 312230
LEAD COMPOUNDS	N	0	0	0	0	0	0	0		0	0 0	0	1,390
Total for Jti Leaf Services (Us) Llc		0	0	0	0	0	0	0	(0	0 0	0	1,390
PITTSYLVANIA	OWENS-BRO	CKWAY	GLASS CO	NTAINER	INC PLAN	NT 29		29 GLAS	SSBLOWEI	R LN		NAICS Coo	le 327213
LEAD COMPOUNDS	N	0	240	240	0	0	240	0		0	0 0	0	0
Total for Owens-Brockway Glass Cor	ntainer Inc Pla	0	240	240	0	0	240	0		0	0 0	0	0
Total for Above County: (3 records	s)	19	240	259	0	0	259	0		0	0 0	0	1,390

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Facility County/Independent C	City				Release					agemen			Transfers
Facility Name/			fi	rom Section	1 5 of Form	R	Total	fro	om Section 8	3 of Form R	Total	from Section	6 of Form R
Pacinty Name/	Audress	Fugitive	Stack	Total			On-Site	Energy			On-Site		Total Other Off-Site
Chemical Name		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment	Management	POTW	Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
PORTSMOUTH (CITY)	TITAN VIRG	INIA REA	DY-MIX L	LC-PORT	NORFOLI	K PLANT		101 CHA	UTAUQUA	A AVE		NAICS Code	327320
LEAD COMPOUNDS	N	0	0	0	0	0	0	0		0	0 0	0	0
Total for Titan Virginia Ready-Mix Llc	-Port Norfolk	0	0	0	0	0	0	0	(0	0 0	0	0
PORTSMOUTH (CITY)	US COAST G	UARD BA	SE PORTS	MOUTH				4000 CO	AST GUAF	RD BLVD		NAICS Code	928110
LEAD	N	7	0	7	0	4	11	0		0	0 0	0	4,986
Total for Us Coast Guard Base Ports	mouth	7	0	7	0	4	11	0	(0	0 0	0	4,986
PORTSMOUTH (CITY)	US NAVY NO	RFOLK N	NAVAL SHI	PYARD				INTERS	ECTION O	F EFFINGI	HAM ST & GE	OR ICS Code	928110
LEAD	N	0	0	0	0	26	26	0		0	0 0	92	45,010
Total for Us Navy Norfolk Naval Ship	yard	0	0	0	0	26	26	0	(0	0 0	92	45,010
Total for Above County: (3 records	s)	7	0	7	0	30	37	0	(0	0 0	92	49,996
PRINCE GEORGE	LUMINANT I	HOPEWE	LL POWER	R PLANT				1114 HE	RCULES R	D		NAICS Code	221112
LEAD COMPOUNDS	N	0	38	38	0	0	38	0		0	0 0	0	0
Total for Luminant Hopewell Power P	lant	0	38	38	0	0	38	0	(0	0 0	0	0
PRINCE GEORGE	U.S. ARMY G	SARRISON	N FORT LE	E VA - RA	NGES			825, 19T	H STREET	, BLDG 600)5	NAICS Code	928110
LEAD	N	0	0	0	0	0	2,112	0		0	0 0	0	0
Total for U.S. Army Garrison Fort Lee	e Va - Ranges	0	0	0	0	0	2,112	0	(0	0 0	0	0
Total for Above County: (2 records	s)	0	38	38	0	0	2,150	0	(0	0 0	0	0
PRINCE WILLIAM	MANASSAS I	BROAD R	UN READY	MIX CON	NCRETE			9321 DE	VELOPERS	S DRIVE		NAICS Code	327320
LEAD COMPOUNDS	N	0	0	0	0	0	3	0		0	0 0	0	3
Total for Manassas Broad Run Ready	y Mix Concret	0	0	0	0	0	3	0	(0	0 0	0	3
PRINCE WILLIAM	POSSUM POI	INT POW	ER STATIO	ON				19000 PC	SSUM PO	INT RD		NAICS Code	221112
BENZO(G,H,I)PERYLENE	N	0	0	0	0	0	0	0		0	0 0	0	0
POLYCYCLIC AROMATIC COMPO	U N	0	1	1	0	0	1	0		0	0 0	0	0
Total for Possum Point Power Station	ı	0	1	1	0	0	1	0	(0	0 0	0	0
												1	

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Facility County/Independent	t City			On-Site						agemen			Transfers
Facility Nan	•		fi	rom Section	5 of Form	ı R	Total	fre	om Section	8 of Form R	Total	from Section	1 6 of Form R
racinty Ivan	iic/11ddi ess	Fugitive	Stack	Total			On-Site	Energy			On-Site		Total Other Off-Site
Chemical Name	form A*	Air (pounds)	Air (pounds)	Air (pounds)	Land (pounds)	Water (pounds)	Releases (pounds)	Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Management (pounds)	POTW (pounds)	Transfers ** (pounds)
PRINCE WILLIAM	SAFETY-KL	EEN SYST	TEMS MAN	ASSAS (M	AN)			11520 B	ALLS FOR	D RD		NAICS Code	562112
BENZO(G,H,I)PERYLENE	N	0	0	0	0	0	0	0)	0	0 0	0	311
LEAD	N	0	0	0	0	0	0	0)	0	0 0	0	869
POLYCYCLIC AROMATIC COM	POU N	0	0	0	0	0	0	0)	0	0 0	0	2,265
Total for Safety-Kleen Systems Ma	anassas (Man)	0	0	0	0	0	0	0)	0	0 0	0	3,445
PRINCE WILLIAM	TITAN VIRG	GINIA REA	DY-MIX L	LC-DUMF	RIES PLA	NT		3454 CA	NAL RD			NAICS Code	327320
LEAD COMPOUNDS	N	0	0	0	0	0	0	0)	0	0 0	0	0
Total for Titan Virginia Ready-Mix	Llc-Dumfries Pla	0	0	0	0	0	0	0)	0	0 0	0	0
PRINCE WILLIAM	US MARINE	CORPS B	ASE QUAN	TICO				3250 CA	TLIN AVE			NAICS Code	928110
LEAD COMPOUNDS	N	120	0	120	0	0	79,380	0)	0	0 0	0	33
Total for Us Marine Corps Base Q	uantico	120	0	120	0	0	79,380	0)	0	0 0	0	33
PRINCE WILLIAM	VIRGINIA C	ONCRETI	E DUMFRII	ES PLANT				217 CAN	NAL RD			NAICS Code	327320
LEAD	N	0	0	0	0	0	0	0)	0	0 0	0	0
Total for Virginia Concrete Dumfrie	es Plant	0	0	0	0	0	0	0)	0	0 0	0	0
PRINCE WILLIAM	VIRGINIA C	ONCRETI	E GAINESV	TLLE PLA	NT			7300 RA	IL LINE C	T		NAICS Code	327320
LEAD	N	0	0	0	0	0	0	0)	0	0 0	0	0
Total for Virginia Concrete Gaines	ville Plant	0	0	0	0	0	0	0)	0	0 0	0	0
PRINCE WILLIAM	VIRGINIA C	ONCRETI	E WOODBE	RIDGE PLA	ANT			936 ANN	NAPOLIS V	VAY		NAICS Code	327320
LEAD	N	0	0	0	0	0	0	0)	0	0 0	0	0
Total for Virginia Concrete Woodb	ridge Plant	0	0	0	0	0	0	0)	0	0 0	0	0
Total for Above County: (11 rec	ords)	120	1	121	0	0	79,383	0)	0	0 0	0	3,481
PULASKI	IMPERIAL (GROUP M	ANUFACTI	URING INC	C		Ï	4969 ST	EPP PLAC	E		NAICS Code	332322
LEAD	N	0	0	0	0	0	0	0)	0	0 0	0	80
Total for Imperial Group Manufactor	uring Inc	0	0	0	0	0	0	0)	0	0 0	0	80
												l .	

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Facility County/Independent C	City		On-Site Releases				On-Site Management					Off-Site	Transfers
	•		fı	om Section	5 of Form	R		fro	om Section 8	of Form R		from Section	on 6 of Form R
Facility Name	Address	Fugitive	Stack	Total			Total On-Site	Energy			Total On-Site		Total Other
		Air	Air	1 otai Air	Land	Water	Releases	Recovery	Recycling	Treatment			Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
PULASKI	JAMES HAR	DIE BUIL	DING PRO	DUCTS PU	LASKI			1000 JA	MES HARD	IE WAY		NAICS Coo	de 327390
LEAD COMPOUNDS	N	0	0	0	0	0	0	0		0	0	0	0
Total for James Hardie Building Prod	lucts Pulaski	0	0	0	0	0	0	0	()	0	0	0
Total for Above County: (2 record	s)	0	0	0	0	0	0	0	(ס	0	0	80
RICHMOND	MCFARLAN	D CASCAI	DE HOLDI	NGS INC				15939 HI	ISTORY LA	AND HWY		NAICS Coo	de 321114
LEAD COMPOUNDS	N	0	6	6	0	0	6	0		0	0	0	0
Total for Mcfarland Cascade Holding	s Inc	0	6	6	0	0	6	0	()	0	0 0	0
RICHMOND	SONOCO RIO	CHMOND						1850 CO	MMERCE	RD		NAICS Coo	de 322130
LEAD	N	0	0	0	0	0	0	0		0	0	0 31	68
Total for Sonoco Richmond		0	0	0	0	0	0	0	()	0	0 31	68
Total for Above County: (2 record	s)	0	6	6	0	0	6	0	()	0	0 31	68
RICHMOND (CITY)	BELLEMEAI	DE POWE	R STATIO	N				1860 CO	MMERCE	RD		NAICS Coo	de 221112
POLYCYCLIC AROMATIC COMPO	OU N	0	0	0	0	0	0	0		0	0	0	0
Total for Bellemeade Power Station		0	0	0	0	0	0	0	()	0	0 0	0
RICHMOND (CITY)	SPRUANCE O	GENCO LI	LC					5001 CO	MMERCE	RD		NAICS Co	de 221112
DIOXIN AND DIOXIN-LIKE COMP	o N	0	0	0	0	0	0	0		0	0	0	0
LEAD COMPOUNDS	N	0	44	44	0	3	47	0		0	0	0	253
MERCURY COMPOUNDS	N	0	0	0	0	0	0	0		0	0	0	0
Total for Spruance Genco Llc		0	44	44	0	3	47	0	(ס	0	0	253
RICHMOND (CITY)	TCS MATER	IALS RIC	HMOND PI	LANT				2100 DE	EPWATER	TERMINA	L ROAD	NAICS Coo	de 327320
LEAD	N	0	0	0	0	0	0	0		0	0	0	0
Total for Tcs Materials Richmond Pla	ant	0	0	0	0	0	0	0	()	0	0	0
Total for Above County: (5 record	s)	0	44	44	0	3	47	0	()	0	0	253
ROANOKE	HARRIS COI	RP - NIGH	IT VISION					7635 PL	ANTATION	RD		NAICS Coo	de 334511

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Facility County/Independent Cit	y				Release			On-Site Management from Section 8 of Form R				Off-Site Transfers	
Facility Name/A	ddress	Fugitive	Stack	Total	1 5 01 FORM	K	Total On-Site	Energy	om Section 8	oi Form K	Total On-Site	from Section	Total Other
Chemical Name	form A*	Air (pounds)	Air (pounds)	Air (pounds)	Land (pounds)	Water (pounds)	Releases (pounds)	Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Management (pounds)	POTW (pounds)	Off-Site Transfers ** (pounds)
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0		0 0	0	2,807
Total for Harris Corp - Night Vision		0	0	0	0	0	0	0	0		0 0	0	2,807
ROANOKE	KOPPERS IN	NC (ROAN	OKE)					4020 KO	PPERS RD			NAICS Code	321114
BENZO(G,H,I)PERYLENE	N	0	0	0	0	0	0	0	1,090		0 1,090	0	39
POLYCYCLIC AROMATIC COMPOU	N	2	3	5	0	0	5	0	57,105		8 57,113	0	2,059
Total for Koppers Inc (Roanoke)		2	3	5	0	0	5	0	58,194		8 58,203	0	2,098
ROANOKE	MEDECO SE	CURITY I	LOCKS INC	C.				3625 AL	LEGHENY I	DR		NAICS Code	332510
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0		0 0	0	27,895
Total for Medeco Security Locks Inc.		0	0	0	0	0	0	0	0		0 0	0	27,895
ROANOKE	NEW MILLE	ENNIUM B	UILDING S	SYSTEMS				100 DIU	GUIDS LAN	E		NAICS Code	332312
LEAD	N	0	0	0	0	0	0	0	0		0 0	0	5,411
Total for New Millennium Building Syste	ems	0	0	0	0	0	0	0	0		0 0	0	5,411
ROANOKE	SAFETY-KL	EEN SYST	EMS VINT	ON (ROA)	ı			16090 ST	TEWARTSV	ILLE RD		NAICS Code	562112
BENZO(G,H,I)PERYLENE	N	0	0	0	0	0	0	0	0		0 0	0	102
LEAD	N	0	0	0	0	0	0	0	0		0 0	0	288
POLYCYCLIC AROMATIC COMPOU	N	0	0	0	0	0	0	0	0		0 0	0	740
Total for Safety-Kleen Systems Vinton	(Roa)	0	0	0	0	0	0	0	0		0 0	0	1,130
ROANOKE	OKOHAMA	A TIRE MA	ANUFACTU	IRING VIE	RGINIA LI	.C		1500 INI	DIANA ST			NAICS Code	326211
BENZO(G,H,I)PERYLENE	N	0	0	0	0	0	0	0	0		0 0	0	0
LEAD COMPOUNDS	N	1	0	1	0	0	1	0	0		0 0	0	3
POLYCYCLIC AROMATIC COMPOU	N	0	1	1	0	0	1	0	0		0 0	0	1
Total for Yokohama Tire Manufacturing	Virginia Llc	1	1	1	0	0	1	0	0		0 0	0	4
Total for Above County: (11 records)	3	4	7	0	0	7	0	58,194		8 58,203	0	39,345
ROANOKE (CITY)	ASSOCIATE	D ASPHAI	LT ROANO	KE, LLC				2677 RO	ANOKE AV	E SW		NAICS Code	424710
BENZO(G,H,I)PERYLENE	N	0	0	0	0	0	0	0	0		0 0	0	0

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Facility County/Independent Ci	itv)n-Site l				On-Site Management				Off-Site Transfers		
• • •	•		fr	om Section	5 of Form	R	TD ()	fro	om Section	8 of Form R		from Section	n 6 of Form R	
Facility Name/A	Address	Fugitive	Stack	Total			Total On-Site	Energy			Total On-Site		Total Other	
Chemical Name		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment		POTW	Off-Site Transfers **	
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	
POLYCYCLIC AROMATIC COMPOU	J N	0	22	22	0	0	22	0		0	0 0	0	0	
Total for Associated Asphalt Roanoke	, Llc	0	22	22	0	0	22	0		0	0 0	0	0	
ROANOKE (CITY)	BOXLEY MA	TERIALS	COMPANY	Y ROANOI	KE READY	Y MIX PLA	ANT	3830 BL	UE RIDGE	DR SW		NAICS Code	e 327320	
LEAD COMPOUNDS	N	0	2	2	0	0	2	0		0	0 0	0	0	
Total for Boxley Materials Company R	oanoke Read	0	2	2	0	0	2	0		0	0 0	0	0	
ROANOKE (CITY)	STEEL DYNA	AMICS IN	C ROANOK	E BAR DI	V			102 WES	STSIDE BL	VD		NAICS Code	e 331110	
LEAD COMPOUNDS	N	15	136	151	0	36	187	0		0	0 0	0	182,653	
MERCURY COMPOUNDS	N	0	0	0	0	0	0	0		0	0 0	0	0	
Total for Steel Dynamics Inc Roanoke	Bar Div	15	136	151	0	36	187	0		0	0 0	0	182,653	
Total for Above County: (5 records))	15	160	175	0	36	211	0		0	0 0	0	182,653	
ROCKBRIDGE	MUNTERS							225 S M	AGNOLIA	AVE		NAICS Code	e 333415	
LEAD	N	0	0	0	0	0	0	0		0	0 0	0	112	
Total for Munters		0	0	0	0	0	0	0		0	0 0	0	112	
ROCKBRIDGE	MUNTERS C	ORPORA	TION					43 DOUG	GLAS WAY	Y		NAICS Code	e 333415	
LEAD	N	0	0	0	0	0	0	0		0	0 0	0	2	
Total for Munters Corporation		0	0	0	0	0	0	0		0	0 0	0	2	
ROCKBRIDGE	STELLA JON	ES CORP	-GOSHEN	FACILITY				9223 MA	URY RIVI	ER RD		NAICS Code	e 321114	
BENZO(G,H,I)PERYLENE	N	1	0	1	0	0	1	0		0	0 0	0	14	
POLYCYCLIC AROMATIC COMPOU	J N	27	2	28	0	0	28	0		0	0 0	0	805	
Total for Stella Jones Corp-Goshen Fa	acility	27	2	29	0	0	29	0		0	0 0	0	819	
Total for Above County: (4 records))	27	2	29	0	0	29	0		0	0 0	0	933	
ROCKINGHAM	SUPERIOR C	CONCRET	E INC-HAR	RISONBU	RG			1526 CO	UNTY CLU	U B RD		NAICS Code	e 327320	
LEAD COMPOUNDS	N	0	0	0	0	0	0	0		0	0 0	0	0	
MERCURY COMPOUNDS	N	0	0	0	0	0	0	0		0	0 0	0	0	
Total for Superior Concrete Inc-Harriso	onburg	0	0	0	0	0	0	0		0	0 0	0	0	

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Facility County/Independent	City		On-Site Releases					On-Site Management					Off-Site Transfers	
Facility Name	•		fı	rom Section	5 of Form	R	m . 1	fro	om Section 8	3 of Form R		from Section	6 of Form R	
Facility Name	e/Address	Fugitive	Stack	Total			Total On-Site	Energy			Total On-Site		Total Other	
Chemical Name		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment		POTW	Off-Site Transfers **	
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	
Total for Above County: (2 record	ls)	0	0	0	0	0	0	0		0	0 0	0	0	
SALEM (CITY)	GE DRIVES	& CONTR	OLS					1501 RO	ANOKE BI	LVD		NAICS Code	335314	
LEAD COMPOUNDS	N	0	2	2	0	1	3	0		0	0 0	0	2,000	
Total for Ge Drives & Controls		0	2	2	0	1	3	0		0	0 0	0	2,000	
Total for Above County: (1 record	i)	0	2	2	0	1	3	0		0	0 0	0	2,000	
SHENANDOAH	O-N MINER	ALS (CHE	MSTONE)	STRASBUI	RG LIME I	PLANT		1696 OR	ANDA RD			NAICS Code	327410	
LEAD COMPOUNDS	N	0	0	0	0	0	205	0		0	0 0	0	0	
MERCURY COMPOUNDS	N	0	1	1	0	0	1	0		0	0 0	0	0	
Total for O-N Minerals (Chemstone)	Strasburg Lim	0	2	2	0	0	207	0		0	0 0	0	0	
Total for Above County: (2 record	is)	0	2	2	0	0	207	0		0	0 0	0	0	
SMYTH	GENERAL D	YNAMICS	S MISSION	SYSTEMS	, INC.			150 JOH	NSTON RI)		NAICS Code	336413	
TETRABROMOBISPHENOL A	N	0	0	0	0	0	0	0		0	0 0	0	212	
Total for General Dynamics Mission	Systems, Inc.	0	0	0	0	0	0	0		0	0 0	0	212	
Total for Above County: (1 record	I)	0	0	0	0	0	0	0	(0	0 0	0	212	
SPOTSYLVANIA	OLDCASTLI	E PRECAS	T INC					5115 MA	SSAPONA	X CHURCI	H RD	NAICS Code	327390	
LEAD COMPOUNDS	N	0	0	0	0	0	3	0)	0	0 0	0	40	
Total for Oldcastle Precast Inc		0	0	0	0	0	3	0	(0	0 0	0	40	
SPOTSYLVANIA	SPOTSYLVA	NIA PLAN	NT					8520 INI	DIAN HILL	S CT.		NAICS Code	327320	
LEAD	N	0	0	0	0	0	0	0		0	0 0	0	0	
Total for Spotsylvania Plant		0	0	0	0	0	0	0		0	0 0	0	0	
SPOTSYLVANIA	VIRGINIA C	ONCRETI	E SPOTSYL	VANIA PL	ANT			6110 SM	ITH STAT	ION ROAD		NAICS Code	327320	
LEAD	N	0	0	0	0	0	0	0		0	0 0	0	0	
Total for Virginia Concrete Spotsylva	ania Plant	0	0	0	0	0	0	0		0	0 0	0	0	
Total for Above County: (3 record	is)	0	0	0	0	0	3	0		0	0 0	0	40	

^{*} A "Y" in the FORM A column means a simplified Form A was submitted. An "N" means the full Form R was submitted. Facilities may report using the Form A for a non-PBTchemical if the total annual reportable amount for that chemical does not exceed 500 pounds and the amount manufactured, processed, or otherwise used for that chemical does not exceed 1 million pounds. When filling a Form A, no amounts are reported but by default the appendix lists them as zero.

^{**} TOTAL OTHER OFF-SITE TRANSFERS = ALL OF FORM R SECTION 6.2 OFF-SITE TRANSFERS (DISPOSAL + TREATMENT + ENERGY RECOVERY + RECYCLING)

Facility County/Independent	City			On-Site					Site Man			Transfers	
Facility Nam	ne/Address		11	rom Section	15 of Form	K	Total	ire	om Section 8	8 of Form R	Total	from Section	6 of Form R
I wemy I was	-0,1 - 1 	Fugitive	Stack	Total			On-Site	Energy			On-Site		Total Other Off-Site
Chemical Name	form A*	Air	Air	Air	Land	Water	Releases	Recovery	, ,	Treatment	Management		Transfers **
		(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
STAFFORD	COLONIAL (CIRCUITS	S INC.					1026 WA	ARRENTON	N RD		NAICS Code	334412
LEAD	N	0	0	0	0	0	0	0	1	0	0 0	2	149
Total for Colonial Circuits Inc.		0	0	0	0	0	0	0	(0	0 0	2	149
STAFFORD	FALMOUTH	READY N	MIX CONCI	RETE				301 WAI	RRENTON	ROAD		NAICS Code	327320
LEAD COMPOUNDS	N	0	0	0	0	0	4	0		0	0 0	0	4
Total for Falmouth Ready Mix Con	crete	0	0	0	0	0	4	0		0	0 0	0	4
STAFFORD	STAFFORD F	PLANT						169 WY	CHE RD			NAICS Code	327320
LEAD	N	0	0	0	0	0	0	0)	0	0 0	0	0
Total for Stafford Plant		0	0	0	0	0	0	0		0	0 0	0	0
STAFFORD	TITAN VIRG	INIA REA	ADY-MIX L	LC-STAFF	ORD PLA	NT		48 POW	ELL LN			NAICS Code	327320
LEAD COMPOUNDS	N	0	0	0	0	0	0	0		0	0 0	0	0
Total for Titan Virginia Ready-Mix I	_lc-Stafford Plan	0	0	0	0	0	0	0		0	0 0	0	0
STAFFORD	U.S. DOJ FBI	TRAININ	IG ACADE	MY				MCB-4 I	BUILDING	15-FMU		NAICS Code	921110
LEAD COMPOUNDS	N	9	1	10	0	0	10	0)	0	0 0	0	468,470
Total for U.S. Doj Fbi Training Aca	demy	9	1	10	0	0	10	0		0	0 0	0	468,470
Total for Above County: (5 reco	rds)	9	1	10	0	0	14	0		0	0 0	2	468,623
VIRGINIA BEACH (CITY)	TITAN VIRG	INIA REA	ADY-MIX L	LC-LEESB	BURG PLA	NT		42105 C	OCHRAN N	MILL RD		NAICS Code	327320
LEAD COMPOUNDS	N	0	0	0	0	0	0	0		0	0 0	0	0
Total for Titan Virginia Ready-Mix I	lc-Leesburg Pla	0	0	0	0	0	0	0		0	0 0	0	0
VIRGINIA BEACH (CITY)	TITAN VIRG	INIA REA	ADY-MIX L	LC-OCEA	NA PLANT	Γ		160 OCE	EANA BLVI	D.		NAICS Code	327320
LEAD COMPOUNDS	N	0	0	0	0	0	0	0		0	0 0	0	0
Total for Titan Virginia Ready-Mix I	_lc-Oceana Plant	0	0	0	0	0	0	0		0	0 0	0	0
VIRGINIA BEACH (CITY)	US ARMY NA	ATIONAL	GUARD C	ГС САМР	PENDLET	ON (RANG	GES)	203 RED	HORSE D	RIVE		NAICS Code	928110
LEAD	N	0	0	0	0	0	181	0		0	0 0	0	0
												I .	

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^{**} TOTAL OTHER OFF-SITE TRANSFERS = ALL OF FORM R SECTION 6.2 OFF-SITE TRANSFERS (DISPOSAL + TREATMENT + ENERGY RECOVERY + RECYCLING)

Facility County/Independent	City	On-Site Releases			On-Site Management				Off-Site Transfers				
	•		f	rom Section	5 of Form	R		fro	om Section 8	3 of Form R		from Section	n 6 of Form R
Facility Name	e/Address	Fugitive	Stack	Total			Total On-Site	Energy			Total On-Site		Total Other
CI : IN		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment		POTW	Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
Total for Us Army National Guard C	tc Camp Pendl	0	0	0	0	0	181	0		0	0 0	0	0
VIRGINIA BEACH (CITY)	US NAVY FL	EET COM	IBAT TRA	INING CEN	NTER ATL	DAM NE	CK BASE	1912 RE	GULUS AV	E		NAICS Code	e 928110
LEAD	N	1	0	1	0	0	4,168	0		0	0 0	0	739
Total for Us Navy Fleet Combat Tra	ining Center Atl	1	0	1	0	0	4,168	0	(0	0 0	0	739
VIRGINIA BEACH (CITY)	US NAVY JO	INT EXPE	EDITIONAL	RY FORT S	STORY RA	NGE		300 ATL	ANTIC AV	ENUE		NAICS Code	e 928110
LEAD	N	0	0	0	0	0	586	0		0	0 0	0	0
Total for Us Navy Joint Expeditionar	y Fort Story Ra	0	0	0	0	0	586	0	(0	0 0	0	0
Total for Above County: (5 record	is)	1	0	1	0	0	4,934	0	(0	0 0	0	739
WARREN	US CBP CAN	INE TRAI	NING FAC	LILITY FIR	ING RANG	GE #VA004	40	828 HAR	RMONY HO	DLLOW RD	•	NAICS Code	e 922120
LEAD	N	0	0	0	0	0	0	0		0	0 0	0	0
Total for Us Cbp Canine Training Fa	acility Firing Ra	0	0	0	0	0	0	0	(0	0 0	0	0
Total for Above County: (1 record	d)	0	0	0	0	0	0	0	(0	0 0	0	0
WASHINGTON	AZZ GALVA	NIZING-B	RISTOL					14781 IN	DUSTRIAI	L PARK RI)	NAICS Code	e 332812
LEAD	N	0	0	0	0	0	0	0		0	0 0	0	889
Total for Azz Galvanizing-Bristol		0	0	0	0	0	0	0	(0	0 0	0	889
WASHINGTON	COLUMBUS	MCKINN	ON CORP					22364 JE	EB STUART	T HWY		NAICS Code	e 333923
LEAD	N	0	0	0	0	0	0	0		0	0 0	0	25
Total for Columbus Mckinnon Corp		0	0	0	0	0	0	0	(0	0 0	0	25
WASHINGTON	MXI ENVIRO	ONMENTA	AL SERVIC	EES, LLC				26319 Ol	LD TRAIL	RD (ST RT	E 679)	NAICS Code	e 562111
CHLORDANE	N	0	0	0	0	0	0	0		0	0 0	0	500
HEPTACHLOR	N	0	0	0	0	0	0	0		0	0 0	0	100
LEAD	N	0	0	0	0	0	0	0		0	0 0	0	30,587
MERCURY	N	0	0	0	0	0	0	0		0	0 0	0	1,394
METHOXYCHLOR	N	0	0	0	0	0	0	0		0	0 0	0	100
Total for Mxi Environmental Service	s, Llc	0	0	0	0	0	0	0	(0	0 0	0	32,681

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^{**} TOTAL OTHER OFF-SITE TRANSFERS = ALL OF FORM R SECTION 6.2 OFF-SITE TRANSFERS (DISPOSAL + TREATMENT + ENERGY RECOVERY + RECYCLING)

Facility Name Account Facility Name Account Facility Name Facility	Facility County/Independent (City		On-Site Releases						ite Man	Off-Site Transfers			
Position Position		•		fı	rom Section	5 of Form	R		fro	om Section 8	3 of Form R		from Section	
Chemical Name	Facility Name	Auuress	Fugitive	Stack	Total				Energy					Total Other
Total for Above County: (7 records)	Chamical Name					Land	Water			Recycling	Treatment		POTW	Transfers **
MAICS Code MAI	Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	O		(pounds)
LEAD	Total for Above County: (7 record	ls)	0	0	0	0	0	0	0		0	0 0	0	33,595
Total for Carry-On Trailer Corp	WESTMORELAND	CARRY-ON	TRAILER	CORP					159 IND	USTRIAL F	PARK RD		NAICS Code	336212
March Marc	LEAD	N	1	0	1	0	0	1	0		0	0 0	0	47
LEAD COMPOUNDS	Total for Carry-On Trailer Corp		1	0	1	0	0	1	0	(0	0 0	0	47
Total for Potomac Supply Lic 0	WESTMORELAND	POTOMAC S	SUPPLY L	LC					1398 KIN	NSALE RD			NAICS Code	321114
Total for Above County: (2 records)	LEAD COMPOUNDS	N	0	0	0	0	0	0	0		0	0 0	0	0
WISE VIRGINIA CITY HYBRID ENERGY CENTER DIOXIN AND DIOXIN-LIKE COMPO N 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Total for Potomac Supply Llc		0	0	0	0	0	0	0	(0	0 0	0	0
DIOXIN AND DIOXIN-LIKE COMPO	Total for Above County: (2 record	ls)	1	0	1	0	0	1	0	(0	0 0	0	47
LEAD COMPOUNDS N 0 115 115 0 0 26,315 0	WISE	VIRGINIA C	ІТҮ НҮВІ	RID ENERG	GY CENTE	R			3425 RU	SSELL CR	EEK RD		NAICS Code	221112
MERCURY COMPOUNDS N 0 0 0 0 320 0	DIOXIN AND DIOXIN-LIKE COMP	o N	0	0	0	0	0	0	0		0	0 0	0	0
Total for Virginia City Hybrid Energy Center 0 115 115 0 0 26,635 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	LEAD COMPOUNDS	N	0	115	115	0	0	26,315	0		0	0 0	0	0
Total for Above County : (3 records) 0 115 115 0 0 26,635 0 </td <td>MERCURY COMPOUNDS</td> <td>N</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>320</td> <td>0</td> <td></td> <td>0</td> <td>0 0</td> <td>0</td> <td>0</td>	MERCURY COMPOUNDS	N	0	0	0	0	0	320	0		0	0 0	0	0
YORK AFETA CAMP PEARY 1100 EXECUTIVE DRIVE NAICS Code 9281 LEAD N 41 0 41 0 0 41 0	Total for Virginia City Hybrid Energy	Center	0	115	115	0	0	26,635	0	(0	0 0	0	0
LEAD N 41 0 41 0 0 41 0 </td <td>Total for Above County: (3 record</td> <td>ls)</td> <td>0</td> <td>115</td> <td>115</td> <td>0</td> <td>0</td> <td>26,635</td> <td>0</td> <td>(</td> <td>0</td> <td>0 0</td> <td>0</td> <td>0</td>	Total for Above County: (3 record	ls)	0	115	115	0	0	26,635	0	(0	0 0	0	0
Total for Afeta Camp Peary 41 0 41 0 0 41 0 0 0 0 0 0 0 0 0 0 0 0 0	YORK	AFETA CAM	IP PEARY						1100 EX	ECUTIVE I	DRIVE		NAICS Code	928110
YORK US NAVY CHEATHAM ANNEX BASE 108 SANDA AVE BLDG 270 NAICS Code 928 Institution of the property	LEAD	N	41	0	41	0	0	41	0		0	0 0	0	0
LEAD N 0 0 0 0 0 0 3,762 0 0 0 0 0 4,238 Total for Us Navy Cheatham Annex Base 0 0 0 0 0 0 3,762 0 0 0 0 0 0 4,238 YORK US NAVY YORKTOWN NAVAL WEAPONS STATION BASE RANGE 160 MAIN RD NAICS Code 9281 LEAD N 34 0 34 0 0 1,846 0 0 0 0 0 0 1,589 Total for Us Navy Yorktown Naval Weapons Statio 34 0 34 0 0 1,846 0 0 0 0 0 0 0 1,589	Total for Afeta Camp Peary		41	0	41	0	0	41	0	(0	0 0	0	0
Total for Us Navy Cheatham Annex Base 0 0 0 0 3,762 0 0 0 0 4,238 YORK US NAVY YORKTOWN NAVAL WEAPONS STATION BASE RANGE 160 MAIN RD NAICS Code 9281 LEAD N 34 0 34 0 0 0 0 0 0 0 0 0 1,589 Total for Us Navy Yorktown Naval Weapons Statio 34 0 34 0 0 1,846 0 0 0 0 0 0 1,589	YORK	US NAVY CH	HEATHAN	I ANNEX B	ASE				108 SAN	DA AVE B	LDG 270		NAICS Code	928110
YORK US NAVY YORKTOWN NAVAL WEAPONS STATION BASE RANGE 160 MAIN RD NAICS Code 9281 LEAD N 34 0 34 0 0 1,846 0 </td <td>LEAD</td> <td>N</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>3,762</td> <td>0</td> <td></td> <td>0</td> <td>0 0</td> <td>0</td> <td>4,238</td>	LEAD	N	0	0	0	0	0	3,762	0		0	0 0	0	4,238
LEAD N 34 0 34 0 0 1,846 0	Total for Us Navy Cheatham Annex	Base	0	0	0	0	0	3,762	0	(0	0 0	0	4,238
Total for Us Navy Yorktown Naval Weapons Statio 34 0 34 0 0 1,846 0 0 0 0 1,589	YORK	US NAVY YO	ORKTOW	N NAVAL V	VEAPONS	STATION	BASE RA	NGE	160 MAI	N RD			NAICS Code	928110
	LEAD	N	34	0	34	0	0	1,846	0		0	0 0	0	1,589
	Total for Us Navy Yorktown Naval W	/eapons Statio	34	0	34	0	0	1,846	0	(0	0 0	0	1,589
YORK YORKTOWN POWER STATION 1600 WATERVIEW RD NAICS Code 2211	YORK	YORKTOWN	N POWER	STATION					1600 WA	TERVIEW	' RD		NAICS Code	221112

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^{**} TOTAL OTHER OFF-SITE TRANSFERS = ALL OF FORM R SECTION 6.2 OFF-SITE TRANSFERS (DISPOSAL + TREATMENT + ENERGY RECOVERY + RECYCLING)

2018 Toxics Release Inventory

Facility County/Independent City			(On-Site	Releases	S		On-Site Management				Off-Site Transfers		
			fı	rom Section	5 of Form	R		fro	om Section 8	8 of Form R		from Section	on 6 of Form R	
Facility Name/Add	dress						Total				Total		Total Other	
		Fugitive	Stack	Total			On-Site	Energy			On-Site		Off-Site	
Chemical Name		Air	Air	Air	Land	Water	Releases	Recovery	Recycling	Treatment	Management	POTW	Transfers **	
	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	
BENZO(G,H,I)PERYLENE	N	0	0	0	0	0	0	0		0	0 0	0	0	
LEAD COMPOUNDS	N	0	122	122	0	4,470	4,592	0		0	0 0	0	0	
MERCURY COMPOUNDS	N	0	22	22	0	0	22	0		0	0 0	0	1	
POLYCYCLIC AROMATIC COMPOU	N	0	0	0	0	0	0	0		0	0 0	0	0	
Total for Yorktown Power Station		0	144	144	0	4,470	4,614	0		0	0 0	0	1	
Total for Above County: (7 records)		75	144	219	0	4,470	10,263	0		0	0 0	0	5,828	

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^{**} TOTAL OTHER OFF-SITE TRANSFERS = ALL OF FORM R SECTION 6.2 OFF-SITE TRANSFERS (DISPOSAL + TREATMENT + ENERGY RECOVERY + RECYCLING)

Appendix H-1 - 2018 VA TRI NAICS Code Ranking by On-Site Releases

APPENDIX H-1 - 2018 VA TRI NAICS Code Ranking by On-Site Releases

NAICS Subsector	General Type of Industry	Count	Total On- Site Release (Pounds)
325	Chemical Manufacturing	214	10,521,842
322	Paper Manufacturing	87	5,898,050
221	Utilities	130	3,413,378
331	Primary Metal Manufacturing	52	2,211,169
311	Food Manufacturing	65	1,510,497
326	Plastics and Rubber Products Manufacturing	68	1,411,972
332	Fabricated Metal Product Manufacturing	103	1,095,272
928	National Security and International Affairs	60	693,809
312	Beverage and Tobacco Product Manufacturing	12	453,290
336	Transportation Equipment Manufacturing	64	244,104
	All Other NAICS	466	795,050
321	Wood Product Manufacturing	58	221,138
327	Nonmetallic Mineral Product Manufacturing	104	218,368
337	Furniture and Related Product Manufacturing	12	158,932
323	Printing and Related Support Activities	13	63,936
334	Computer and Electronic Product Manufacturing	23	27,046
333	Machinery Manufacturing	36	25,737
324	Asphalt Shingle and Coating Materials Manufacturing	2	21,185
331	Aluminum castings (except die-castings), unfinished, manufacturing	2	16,004
335	Electrical Equipment, Appliance and Component Manufacturing	14	15,242
424	Merchant Wholesalers, Nondurable Goods	115	10,258
325	Ethyl Alcohol Manufacturing	4	5,389
425	Wholesale Electronic Markets and Agents and Brokers	6	3,689
339	Miscellaneous Manufacturing	8	3,504
325	Medicinal and Botanical Manufacturing	4	2,352
922	Justice, Public Order, and Safety Activities	1	1,071
562	Waste Management and Remediation Services	24	333
314	Textile Product Mills	3	303
313	Textile Mills	7	225
336	Motor Vehicle Body Manufacturing	1	154
927	Space Research and Technology	3	124
212	Mining (Except Oil and Gas)	1	28

Appendix H-1 Inventory

NAICS Subsector	General Type of Industry	Count	Total On- Site Release (Pounds)
921	Executive, Legislative and Other General Government Support	2	20
324	Petroleum and Coal Products Manufacturing	17	6
922	Other Justice, Public Order and Safety Activities	1	4
321	Wood Container and Pallet Manufacturing	1	2
334	Instruments and Related Products Manufacturing for Measuring, Displaying, and Controlling Industrial Process Variables	1	1
922	Police Protection	2	0
334	Electronic Computer Manufacturing	1	0

Appendix H-2 - 2018 VA TRI NAICS Code Ranking by On-Site Management

APPENDIX H-2 - 2018 VA TRI NAICS Code Ranking by On-Site Management

AI	PPENDIX H-2 - 2018 VA TRI NAICS Code Ran		
NAICS	General Type of Industry	Count	Total On-Site Treatment
Subsector	General Type of Industry	Count	(Pounds)
325	Chemical Manufacturing	214	662,102,699
322	Paper Manufacturing	87	53,787,233
311	Food Manufacturing	65	12,120,587
326	Plastics and Rubber Products Manufacturing	68	8,398,631
332	Fabricated Metal Product Manufacturing	103	7,337,157
221	Utilities	130	6,784,143
336	Transportation Equipment Manufacturing	64	2,032,586
334	Computer and Electronic Product Manufacturing	23	1,387,121
321	Wood Product Manufacturing	58	1,223,660
928	National Security and International Affairs	60	850,006
	All Other NAICS	449	1,906,650
314	Textile Product Mills	3	750,418
312	Beverage and Tobacco Product Manufacturing	12	365,455
339	Miscellaneous Manufacturing	8	341,625
327	Nonmetallic Mineral Product Manufacturing	104	215,367
325	Ethyl Alcohol Manufacturing	4	99,473
337	Furniture and Related Product Manufacturing	12	50,147
331	Primary Metal Manufacturing	52	38,258
323	Printing and Related Support Activities	13	32,144
424	Merchant Wholesalers, Nondurable Goods	115	10,545
313	Textile Mills	7	1,890
335	Electrical Equipment, Appliance and Component Manufacturing	14	965
927	Space Research and Technology	3	363
324	Petroleum and Coal Products Manufacturing	17	1
325	Medicinal and Botanical Manufacturing	4	0
336	Motor Vehicle Body Manufacturing	1	0
425	Wholesale Electronic Markets and Agents and Brokers	6	0
333	Machinery Manufacturing	36	0
212	Mining (Except Oil and Gas)	1	0
331	Aluminum castings (except die-castings), unfinished, manufacturing	2	0
562	Waste Management and Remediation Services	24	0

Appendix H-2 Inventory

NAICS Subsector	General Type of Industry	Count	Total On-Site Treatment (Pounds)
921	Executive, Legislative and Other General Government Support	2	0
321	Wood Container and Pallet Manufacturing	1	0
922	Justice, Public Order and Safety Activities	1	0
334	Electronic Computer Manufacturing	1	0
922	Other Justice, Public Order and Safety Activities	1	0
922	Police Protection	2	0
334	Instruments and Related Products Manufacturing for Measuring, Displaying and Controlling Industrial Process Variables	1	0
324	Asphalt Shingle and Coating Materials Manufacturing	2	0

Appendix I-1 - 2018 VA TRI Facility Ranking by On-Site Releases

APPENDIX I-1 - 2018 VA TRI FACILITY RANKING BY ON-SITE RELEASES

		Total On-	018 VA TRI FACILITY R.	AIRING DI ON-SI	Actual Physical	
		Site			County or	
		Releases	Physical Street	Post Office	Independent	
Rank	Facility Name	(lbs)	Address	City	City	Facility ID
1	Bae Systems, Ordnance Systems Inc.	7,434,168	Radford Army Ammunition Plant 4050 Peppers Ferry R	Radford	Montgomery	24141RDFRDPOBOX
2	Westrock Virginia Corp (Entire)	2,685,970	104 E. Riverside Street	Covington	Covington (City)	24426WSTVCRIVER
3	Jewell Coke Co Lp	2,114,379	1034 Dismal River Rd	Oakwood	Buchanan	24656JWLLCHWY46
4	Advansix Inc. Hopewell Plant	1,339,413	905 E Randolph Rd	Hopewell	Hopewell (City)	23860LLDSGPOBOX
5	International Paper Franklin Mill	1,086,272	34040 Union Camp Dr	Franklin	Isle Of Wight	23851NNCMPHIGHW
6	Virginia City Hybrid Energy Center	921,671	3425 Russell Creek Rd	Saint Paul	Wise	2428WVRGNC3425R
7	Westrock Cp, LLC	777,260	1901 Main St	West Point	King William	23181CHSPK19THM
8	Doswell Lp	753,101	10098 Old Ridge Rd	Ashland	Hanover	23005DSWLL10098
9	Clover Power Station	674,046	4091 Clover Rd	Clover	Halifax	24534CLVRPRTE92
10	Perdue Farms Accomac Processing Plant	605,959	22520 Lankford Hwy	Accomac	Accomack	23301PRDNCROUTE
11	Ball Metal Beverage Container Corp	593,000	8935 Pocahontas Trail James River Commerce Center	Williamsburg	James City	23185BLLPC8935P
12	Chesterfield Power Station	581,504	500 Coxendale Rd	Chester	Chesterfield	23836CHSTR500CO
13	Georgia-Pacific Big Island Mill	474,592	9363 Lee-Jackson Hwy	Big Island	Bedford	24526NKSPCHIGHW

		Total On- Site Releases	Physical Street	Post Office	Actual Physical County or Independent	
Rank	Facility Name	(lbs)	Address	City	City	Facility ID
14	Cpfilms - Plant Ii	471,881	4129 The Great Rd	Fieldale	Henry	24089MRTNPRTE68
15	Spruance Plant	449,284	U.S. Hwy 1 At Cogbill Rd	Richmond	Chesterfield	23234DPNTSUSHIG
16	Westrock Cp LLC	406,924	910 Industrial St	Hopewell	Hopewell (City)	23860STNHP910IN
17	Bwxt Nuclear Operations Group, Inc.	375,586	1570 Mount Athos Rd	Lynchburg	Campbell	24504BBCCKMTATH
18	Greif Packaging LLC	345,237	861 Fibre Plant Rd	Amherst	Amherst	24521VRGNFROUTE
19	Perdue Farms Inc Chesapeake Grain	330,720	501A Barnes Rd	Chesapeake	Chesapeake (City)	23324CRGLL501BA
20	Philip Morris USA Park 500 Site	322,244	4100 Bermuda Hundred Rd	Chester	Chesterfield	23831PHLLP4100B
21	Ashland Specialty Ingredients Gp	303,296	1111 Hercules Rd	Hopewell	Hopewell (City)	23860QLNCM1111H
22	Yorktown Power Station	272,369	1600 Waterview Rd	Yorktown	York	23692YRKTW1600W
23	Church & Dwight Co Inc.	271,745	1851 Touchstone Rd	Colonial Heights	Chesterfield	23834LDNCR16101
24	Honeywell International Colonial Heights Plant	267,080	15801 Woods Edge Rd	Colonial Heights	Chesterfield	23832LLDSGEXIT5
25	Celanese Acetate LLC - Celco Plant	220,184	3520 Virginia Ave	Narrows	Giles	24124HCHSTRT460
26	Pentagon Reservation	189,055	2 N Rotary Rd	Arlington	Arlington	2220WPNTRSNRTAR
27	US Marine Corps Base Quantico	174,736	3250 Catlin Ave	Quantico	Prince William	22134SDDSM3040M
28	Aquatic Co	163,960	1100 Industrial Park Rd Halifax Industrial Park	South Boston	Halifax	24592PHLPSPOBOX

		Total On- Site Releases	Physical Street	Post Office	Actual Physical County or Independent	
Rank	Facility Name	(lbs)	Address	City	City	Facility ID
29	Smithfield Fresh Meats Corp Smithfield, Va Facility	149,425	601 N Church St	Smithfield	Isle Of Wight	23430GWLTNHIGHW
30	US Army National Guard Fort Pickett (Installation)	135,814	US Pfo Building 316 Fort Pickett	Blackstone	Nottoway	23824SRMYM316RI
31	Mondelez Global LLC	130,472	6002 S Laburnum Ave	Richmond	Richmond	23231NBSCB6002S
32	Luminant Hopewell Power Plant	128,360	1114 Hercules Rd	Hopewell	Prince George	23860HPRWL1114H
33	Westrock Cp, LLC	121,796	910 Industrial St	Hopewell	Hopewell (City)	23860STNHP910IN
34	Dupont Teijin Films	108,720	3600 Discovery Dr	Chester	Chesterfield	23860CMRCSBERMU
35	Intertape Polymer Corp	104,926	1101 Eagle Springs Rd	Danville	Pittsylvania	24540NTRTPSTATE
36	US Army Fort AP Hill Ranges (Part)	101,237	19952 North Range Rd	Bowling Green	Caroline	22427SRMYF18902
37	Huber Engineered Woods LLC	99,477	1000 Chaney Ln	Crystal Hill	Halifax	24539JMHBRRT3HW
38	Dynax America Corp	84,991	568 E Park Dr	Roanoke	Botetourt	24019DYNXM568EP
39	Ashland Specialty Ingredients Gp	83,564	1111 Hercules Rd -	Hopewell	Hopewell (City)	23860QLNCM1111H
40	Georgia-Pacific Wood Products LLC - Brookneal Osb	82,947	11795 Brookneal Highway	Gladys	Campbell	24554GRGPCHIGHW
41	Lhoist Na Of Virginia Inc. Kimballton Area 1	76,818	2093 Big Stony Creek Rd	Ripplemead	Giles	24150CHMCL2093B
42	Griffin Pipe Products Co	71,169	10 Adams St	Lynchburg	Lynchburg (City)	24505GRFFNADAMS

		Total On- Site	N. J. J.G.	D O	Actual Physical County or	
Rank	Facility Name	Releases (lbs)	Physical Street Address	Post Office City	Independent City	Facility ID
43	Virginia Marble Manufacturers Inc.	66,140	Corner Of Brunswick & Oak St	Kenbridge	Lunenburg	23944VRGNMCORNE
44	New Market Poultry LLC	62,600	145 Old East Cross Road	New Market	Shenandoah	2284WNWMRK145LD
45	Kinyo Virginia Inc.	61,680	290 Enterprise Dr	Newport News	Newport News (City)	23603KNYVR290EN
46	Huntington Ingalls Inc.	56,349	4101 Washington Ave	Newport News	Newport News (City)	23607NWPRT4101W
47	Jti Leaf Services (US) LLC	54,359	202 Stinson Drive	Danville	Pittsylvania	2454WJTLFS22STI
48	Tyson Farms Inc Processing Facility	53,840	13264 Mountain Rd	Glen Allen	Hanover	20360HLLYF3301U
49	Norcraft Companies	53,370	1 Millrace Dr	Lynchburg	Lynchburg (City)	24502STRMR1MILL
50	US Army Fort Ap Hill Garrison (Part)	53,348	19952 N Range Rd	Bowling Green	Caroline	22427SRMYF18902
51	Kingspan Insulation LLC	53,219	172 Pactiv Way	Winchester	Frederick	22601MCFMPROUTE
52	Ingevity Virginia Corporation	52,572	958 E Riverside St	Covington	Covington (City)	2442WNGVTY958ER
53	Virginia Marble Manufacturers Inc.	51,840	1201 5Th Ave	Kenbridge	Lunenburg	23944VRGNMPOBOX
54	Vpgc LLC Hinton Facility	49,636	6349 Rawley Pike Hwy 33 We	Hinton	Rockingham	22831WMPLRUSRT3
55	Millercoors-Shenandoah	47,332	5135 S Eastside Hwy	Elkton	Rockingham	22827DLPHCROUTE

		Total On- Site Releases	Physical Street	Post Office	Actual Physical County or Independent	
Rank	Facility Name	(lbs)	Address	City	City	Facility ID
56	Appalachian Plastics Inc.	42,966	34001 Glove Dr	Glade Spring	Washington	24340PPLCHPOBOX
57	George's Chicken LLC	42,940	19992 Senedo Rd	Edinburg	Shenandoah	22824RCCFRRTE42
58	Roanoke Cement Co LLC	42,898	6071 Catawba Rd	Troutville	Botetourt	24175RNKCM5555C
59	Possum Point Power Station	42,851	19000 Possum Point Rd	Dumfries	Prince William	22026PSSMP19000
60	Vaughan-Bassett Furniture Co. Galax	39,815	300 E Grayson St	Galax	Carroll	24333VGHNBOLDTO
61	Solenis LLC	35,546	27123 Shady Brook Trail	Courtland	Southampton	23851HRCLSROUTE
62	Strongwell Corporation- Bristol	35,473	400 Commonwealth Ave.	Bristol	Washington	24203MRRSN400CO
63	Axalta Coating Systems USA LLC-Front Royal Plant	35,028	7961 Winchester Rd	Front Royal	Warren	22630DPNTFPOBOX
64	Mica Co Of Canada Inc.	34,949	900 Jefferson Ave	Newport News	Newport News (City)	23607MCCMP900JE
65	Wheelabrator Abrasives Inc.	34,303	1 Abrasive Ave	Bedford	Bedford	24523WHLBR1ABRA
66	River Pools And Spas	28,843	196 Selftown Rd	Warsaw	Richmond	2257WRVRPL196SE
67	Spruance Genco LLC	28,467	5001 Commerce Rd	Richmond	Richmond (City)	23234CGNTR5001C
68	Georgia Pacific Wood Products LLC Emporia Plywood	28,235	634 Davis St	Emporia	Greensville	23847GRGPCDAVIS

Rank	Facility Name	Total On- Site Releases (lbs)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
69	Masco Cabinetry	27,751	1325 Industrial Park Rd	Mount Jackson	Shenandoah	22842MRLLTSTATE
70	Alliant Techsystems Operations LLC (New River Energetics)	25,503	Rt 114 Radford Army Ammunition Plant	Radford	Montgomery	24141NWRVRRTE11
71	Valley Proteins Inc Winchester Facility	25,393	1635 Indian Hollow Rd	Winchester	Frederick	22603VLLYP1444I
72	Bassett Plant 11	25,078	Patriot Centre At Beaver Creek	Martinsville	Henry	24112BSSTTPATRI
73	Volvo Group North America, LLC	24,480	4881 Cougar Trail Road	Dublin	Pulaski	24084VLVGMROUTE
74	General Shale Brick Inc. Plant 35 & 36	24,080	2353 Webster Rd	Roanoke	Botetourt	24064GNRLS770WE
75	Tyson Farms Inc Temperanceville	23,517	11224 Lankford Hwy	Temperanceville	Accomack	23442HLLYFUSHIG
76	Colonna's Shipyard Inc.	23,415	400 E Indian River Rd	Norfolk	Norfolk (City)	23523CLNNS400EI
77	Fujifilm Wako Chemicals USA Corporation	23,250	1600 Bellwood Rd	Richmond	Chesterfield	23237WKCHM1600B
78	Нарсо	22,488	26252 Hillman Highway	Abingdon	Washington	2421WHPCXX26252
79	US/Navy Naval Support Activity Northwest Annex Range	22,184	1320 NW Blvd Suite 100	Chesapeake	Chesapeake (City)	23322SNVYN132NW
80	Micron Technology Inc.	22,076	9600 Godwin Dr	Manassas	Prince William	20110DMNNS9600G

		Total On- Site Releases	Physical Street	Post Office	Actual Physical County or Independent	
Rank	Facility Name	(lbs)	Address	City	City	Facility ID
81	Onduline Na	21,185	4900 Ondura Dr	Fredericksburg	Spotsylvania	22401NDLNN4900O
82	O'Sullivan Films Inc.	20,725	1944 Valley Ave	Winchester	Winchester (City)	22601SLLVN1944V
83	Wolverine Advanced Materials	19,853	3175 State St	Blacksburg	Montgomery	24060WLVRN3175S
84	Merck Sharp & Dohme Corp.	19,827	2778 Se Side Hwy	Elkton	Rockingham	22827MRCKCHIGHW
85	Anheuser-Busch LLC	19,042	7801 Pocahontas Trail	Williamsburg	James City	23185NHSRB7801P
86	Valley Proteins Inc. Linville Facility	18,491	6230 Kratzer Rd	Linville	Rockingham	22834VLLYP623KR
87	Akzo Nobel Coatings Inc.	18,408	2837 Roanoke Ave Sw	Roanoke	Roanoke (City)	24015RLNCN2837R
88	Lsc Communications / Lynchburg	17,583	4201 Murray Pl	Lynchburg	Lynchburg (City)	24506MRDTH4201M
89	New Millennium Building Systems	17,389	100 Diuguids Lane	Salem	Roanoke	24153JHNWH2535D
90	Lsc Communications / Harrisonburg N	17,379	2347 Kratzer Rd	Harrisonburg	Rockingham	22801RRDNN1400K
91	Veolia James River Plant	17,328	1201 Bellwood Rd	Richmond	Chesterfield	23237DPNTJ1201B
92	Omega Protein Corporation	17,174	610 Menhaden Rd	Reedville	Northumberland	22530ZPTHYPOBOX
93	Slocum Adhesives Corporation	16,482	1409 Buchanan St	Lynchburg	Lynchburg (City)	24501SLCMC1409B
94	Ball Advanced Aluminum Technologies Corp	16,004	56 Dunsmore Rd	Verona	Augusta	24482NMNSLLAURE

		Total On- Site Releases	Physical Street	Post Office	Actual Physical County or Independent	
Rank	Facility Name	(lbs)	Address	City	City	Facility ID
95	Carry-On Trailer Corp	15,988	159 Industrial Park Rd	Montross	Westmoreland	22520CRRYN159IN
96	Huntington Ingalls Inc.	15,497	4101 Washington Ave	Newport News	Newport News (City)	23607NWPRT4101W
97	Ardagh Metal Packaging USA Inc.	15,150	5022 Hollins Rd	Roanoke	Roanoke (City)	2401WRDGHM522HL
98	Kaiser Aluminum Fabricated Products LLC	14,375	1901 Reymet Rd	Richmond	Chesterfield	23237RYNLD1901R
99	Bellwood Printing Plant	14,096	2001 Reymet Rd	Richmond	Chesterfield	23237BLLWD2001R
100	Nibco Of Virginia Inc.	13,748	131 Johnson Drive	Stuarts Draft	Augusta	24477NBCNCROUTE
101	Masco Cabinetry LLC	12,908	641 Maddox Dr	Culpeper	Culpeper	22701WDCBN641MA
102	Federal Mogul Powertrain LLC.	11,549	300 Industrial Park Rd Se	Blacksburg	Montgomery	24060FDRLMRT460
103	Stihl Inc.	11,514	536 Viking Dr	Virginia Beach	Virginia Beach (City)	23450STHLN536VI
104	Danchem Technologies Inc.	11,402	1975 Old Richmond Rd	Danville	Pittsylvania	24540DNRVRSTATE
105	Steelfab Of Virginia Inc.	11,159	1510 Reese St	Emporia	Greensville	23847STFBF1510R
106	Basf Corp	11,146	2301 Wilroy Rd	Suffolk	Suffolk (City)	23434LLDCL2301W
107	Bae Systems Norfolk Ship Repair	10,373	750 W Berkley Ave	Norfolk	Norfolk (City)	23501NRFLKFOOTO
108	Philip Morris USA Commerce Road Site	10,313	3601 Commerce Rd	Richmond	Richmond (City)	23234PHLLP3601C
109	The Lycra Company LLC	10,018	400 Du Pont Blvd	Waynesboro	Augusta	22980DPNTWDUPON

Rank	Facility Name	Total On- Site Releases (lbs)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
110	Ennis-Flint Richmond	9,918	4400 Vawter Ave	Richmond	Henrico	23222DGLSC4400V
111	American Gfm Corp	9,888	1200 Cavalier Blvd	Chesapeake	Chesapeake (City)	23323MRCNG1200C
112	Qg Printing Ii Corp	9,532	160 Century Ln Stonewall Ind Us Trial Park	Winchester	Frederick	22603QBCRW16CEN
113	Wolverine Advanced Materials	8,984	201 Industrial Park Rd	Blacksburg	Montgomery	24060WLVRN201IN
114	Cpfilms, Inc.	8,445	345 Beaver Creek Dr	Martinsville	Henry	24112CMMNW345BE
115	Virginia Transformer Corp	7,601	201 Transformer Way	Troutville	Botetourt	2417WVRGNT21TRA
116	Virginia Transformer Corp.	7,388	220 Glade View Dr Ne	Roanoke	Roanoke	24012VRGNT220GL
117	Birchwood Power Facility	7,280	10900 Birchwood Dr	King George	King George	22547BRCHW10900
118	Rps Composites Virginia, Inc.	6,677	211 E 4Th St	Front Royal	Warren	22630SHNND210E4
119	Fiberglass Engineering Co	6,360	5019 Airport Rd	Midland	Fauquier	22728FBRGLWARRE
120	Strongwell Corp Highlands Div	6,222	26770 Newbanks Rd	Abingdon	Washington	24210STRNG26770
121	Arkema Inc.	5,965	601 Tightsqueeze Ind Us Trial Rd	Chatham	Pittsylvania	24531SRTMR601TI
122	Stella Jones Corp- Goshen Facility	5,923	9223 Maury River Rd	Goshen	Rockbridge	24439THBRKSTATE
123	Metl-Span, A Division Of Nci Group, Inc.	5,730	6001 Quality Way	Prince George	Prince George	23875MTLSP6001Q

Rank	Facility Name	Total On- Site Releases (lbs)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
124	Aleris Rolled Products Inc.	5,347	1701 Reymet Rd	Richmond	Chesterfield	23237TRNST1801R
125	Green Plains Hopewell LLC	5,134	701 S 6Th Ave	Hopewell	Prince George	2386WPPMTT71S6T
126	South Atlantic Galvanizing LLC	5,010	11022 Lewistown Rd	Ashland	Hanover	23005VRGNGSTATE
127	Upaco Adhesives Inc.	4,288	4105 Castlewood Rd	Richmond	Richmond (City)	23234PCDHS4105C
128	US Navy Fleet Combat Training Center Atl Dam Neck Base	4,168	1912 Regulus Ave	Virginia Beach	Virginia Beach (City)	23461SNVYF1912R
129	Yokohama Tire Manufacturing Virginia LLC	4,099	1500 Indiana St	Salem	Roanoke	24153MHWKR1500I
130	Lsc Communications / Strasburg	4,088	One Shenandoah Valley Dr	Strasburg	Shenandoah	22657SHNNDROUTE
131	Rexnord Industries LLC	4,059	150 Johnson Dr	Stuarts Draft	Augusta	24477PTCMPRTS34
132	Fujifilm Wako Chemicals USA Corp	4,050	1600 Bellwood Rd	Richmond	Chesterfield	23237WKCHM1600B
133	Davis-Frost Inc.	4,028	3416 Candlers Mountain Rd	Lynchburg	Lynchburg (City)	24506DVSPN3420C
134	US Navy Cheatham Annex Base	3,762	108 Sanda Ave Bldg 270	Williamsburg	York	23185SNVYC18SAN
135	Steel Dynamics Inc. Roanoke Bar Div	3,736	102 Westside Blvd	Roanoke	Roanoke (City)	24017RNKLC102WE

		Total On- Site Releases	Physical Street	Post Office	Actual Physical County or Independent	
Rank	Facility Name	(lbs)	Address	City	City	Facility ID
136	US Defense Logistics Agency Defense Supply Center Richmond	3,689	8000 Jefferson Davis Hwy	Richmond	Chesterfield	23297DFNSG8000J
137	Ttm Technologies North America, LLC.	3,585	1200 Severn Way	Dulles	Loudoun	22170TMTNC1200S
138	Bellemeade Power Station	3,540	1860 Commerce Rd	Richmond	Richmond (City)	23224BLLMD1860C
139	Sterilization Services Of Virginia	3,497	5674 Eastport Blvd	Richmond	Richmond (City)	23231STRLZ5674E
140	Polynt Composites USA Inc.	3,387	920 Tightsqueeze Ind Us Trial Rd	Chatham	Pittsylvania	24531FRMNRPITTS
141	Koppers Inc. (Roanoke)	3,006	4020 Koppers Rd	Salem	Roanoke	24153KPPRSRT460
142	Allied Aviation Fueling Co Inc.	2,789	Ronald Reagan National Airport	Arlington	Arlington	22202GDNVTRONAL
143	Chemsolv Inc.	2,709	1140 Industry Ave Se	Roanoke	Roanoke (City)	24013CHMSL1140I
144	Eastman Performance Films, LLC-Plant 1	2,572	4210 The Great Rd	Fieldale	Henry	24089MRTNPROUTE
145	U.S. Amines (Portsmouth) LLC	2,448	3230 W Norfolk Rd	Portsmouth	Portsmouth (City)	23703CLNSC3230E
146	Ampac Fine Chemicals Virginia, LLC	2,352	2820 N Normandy Drive	Petersburg	Petersburg (City)	23805LLBRT2999F
147	US Navy Joint Expeditionary Little Creek Base	2,341	2600 Tarawa Ct Suite 100	Norfolk	Norfolk (City)	23521SDDSN2600T

		Total On- Site Releases	Physical Street	Post Office	Actual Physical County or Independent	
Rank	Facility Name	(lbs)	Address	City	City	Facility ID
148	Accellent	2,256	200 S. Yorkshire Street	Salem	Roanoke	24153NBLMT200SY
149	U.S. Army Garrison Fort Lee Va - Ranges	2,112	825, 19Th Street, Bldg 6005	Fort Lee	Prince George	23801SRMYC3901A
150	Menzies Aviation Fueling Operations Wash Dulles International	1,882	Tank Farm Rd Building 2	Sterling	Loudoun	20166RBPXXBUILD
151	Evonik Industries	1,855	914 E Randolph Rd	Hopewell	Hopewell (City)	23860GLDSC914ER
152	US Navy Yorktown Naval Weapons Station Base Range	1,846	160 Main Rd	Yorktown	York	2369WSNVYYRUTE2
153	Motiva Fairfax Terminal	1,600	3800 Pickett Rd	Fairfax	Fairfax (City)	22031FRFXT3800P
154	Rti Martinsville Inc.	1,590	101 Rti Way	Martinsville	Henry	2411WRTMRT11RTI
155	Cameron Chemical Inc.	1,515	830 Old Dill Rd.	Suffolk	Suffolk (City)	2343WCMRNC83LDD
156	Tenneco Walker Manufacturing Co	1,387	3160 Abbott Ln	Harrisonburg	Harrisonburg (City)	22801WLKRM3160A
157	Mar-Bal, Inc.	1,368	5400 Reserve Way	Dublin	Pulaski	24084MRBLN5400R
158	Canon Virginia Inc.	1,365	12000 Canon Blvd	Newport News	Newport News (City)	23606CNNVR12000
159	Howmet Castings & Services Inc.	1,344	One Howmet Dr	Hampton	Hampton (City)	23661HWMTCONEHO
160	Trident Americas	1,135	833 Liberty Way	Chester	Chesterfield	23836KTNGR833LI
161	Azz Galvanizing-Bristol	1,080	14781 Industrial Park Rd	Bristol	Washington	24201VSBRS795IN

		Total On- Site Releases	Physical Street	Post Office	Actual Physical County or Independent	
Rank	Facility Name	(lbs)	Address	City	City	Facility ID
162	US Penitentiary Lee	1,071	Lee County Ind Us Trial Park Hickory Flats Rd	Pennington Gap	Lee	24277SPNTNLEECI
163	Kinder Morgan Transmix Company, LLC	1,021	3302 Deepwater Terminal Rd	Richmond	Richmond (City)	23234PRMRY3302D
164	Ir Engraving LLC	1,013	5901 Lewis Rd	Sandston	Henrico	23150RNTRN5901L
165	Pine Products Inc.	962	315 Carver Rd	Martinsville	Henry	24112PNPRD315CA
166	US Navy Defense Fuel Support Point Craney Island	921	4501 Cedar Ln Bldg 288	Portsmouth	Portsmouth (City)	23703CRNYS4501C
167	Chaparral (Va) Inc.	734	25801 Hofheimer Way	Petersburg	Dinwiddie	23803CHPRR25801
168	Newington Concrete Plant	708	8413 Terminal Rd	Lorton	Fairfax	22122NWNGT8413T
169	Hutchinson Sealing Systems Inc.	704	1150 S Third St	Wytheville	Wythe	24382KNGST1150S
170	US Navy Naval Air Station Oceana Base	674	1750 Tomcat Blvd	Virginia Beach	Virginia Beach (City)	23460SNVLROCEAN
171	Carpenter Co Richmond Plant	668	2400 Jefferson Davis Hwy	Richmond	Richmond (City)	23234RCRPN2400J
172	US Navy Joint Expeditionary Fort Story Range	586	300 Atlantic Avenue	Virginia Beach	Virginia Beach (City)	2345WSNVYJ3GUAD
173	Virginia Concrete Shirlington Plant	555	2651 Shirlington Road	Arlington	Arlington	22206VRGNC2651S

		Total On- Site			Actual Physical County or	
Rank	Facility Name	Releases (lbs)	Physical Street Address	Post Office City	Independent City	Facility ID
174	Dominion Chemical Co Inc.	510	2050 Puddledock Rd	Petersburg	Petersburg (City)	23803DMNNC2050P
175	Parker Hannifin Integrated Seals Div	501	3700 Mayflower Dr	Lynchburg	Lynchburg (City)	24501WYNNS3700M
176	Arkema Inc. Franklin Plant	500	27047 Shady Brook Trail	Courtland	Southampton	2383WRKMNC2747S
177	Accutec Blades, Inc.	461	57 Razor Blade Ln	Verona	Augusta	24482MRCNSRAZOR
178	Tecton Products LLC	434	5415 Corporate Cir	Salem	Roanoke	24153TCTNP5415C
179	Tes Materials Richmond Plant	427	2100 Deepwater Terminal Road	Richmond	Richmond (City)	2322WTCSMT21DEE
180	Morgan Lumber Company, Inc.	417	628 Jeb Stuart Highway	Red Oak	Charlotte	2396WMRGNL628JE
181	Redland Brick Inc Lawrenceville Plant	414	16024 Governor Harrison Pkwy	Lawrenceville	Brunswick	23868BRCKTHWY58
182	Sicpa Securink Corp	403	8000 Research Way	Springfield	Fairfax	22153SCPVR8000R
183	The Goodyear Tire & Rubber Co.	382	1901 Goodyear Blvd	Danville	Danville (City)	24541THGDY1435G
184	Virginia Concrete Edsall Road Plant	380	5412 Industrial Dr	Springfield	Fairfax	22151VRGNC6995E
185	Virginia Concrete Cochran Mill	358	42574 Cochran Mill Rd	Leesburg	Loudoun	2017WVRGNC42574
186	US Navy Naval Station Norfolk	353	1530 Gilbert St Suite 2000	Norfolk	Norfolk (City)	23511NVLBS1530G
187	Virginia Concrete Dulles Plant	347	44866 Old Ox Road	Sterling	Loudoun	22170VRGNC44866

		Total On- Site	Diaminal Course	Post Office	Actual Physical County or	
Rank	Facility Name	Releases (lbs)	Physical Street Address	City	Independent City	Facility ID
188	Cargill Meat Solutions Inc.	319	135 Huffman Dr	Dayton	Rockingham	22821RCCTRROUTE
189	Mehler Engineered Products	303	175 Mehler Ln	Martinsville	Henry	24112MHLRN175ME
190	Oldcastle Precast Inc.	279	5115 Massaponax Church Rd	Fredericksburg	Spotsylvania	22407RTNDP5115M
191	Virginia Concrete Gainesville Plant	274	7300 Rail Line Ct	Gainesville	Prince William	2015WVRGNC73RAI
192	Bleachtech LLC	265	2020 Bessemer Rd	Petersburg	Petersburg (City)	23805BLCHT22BES
193	US DOD USAF Joint Base Langley Eustis - Langley Afb	260	633 Ces/Ceie 37 Sweeney Blvd	Langley Afb	Hampton (City)	23665SRFRC1CESC
194	Kmx Chemical Corp	255	30474 Energy Dr	New Church	Accomack	23415NWCHRRT709
195	Nordson Xaloy Inc.	255	102 Xaloy Way	Pulaski	Pulaski	24301XLYNC101XA
196	Mxi Environmental Services, LLC	250	26319 Old Trail Rd (St Rte 679)	Abingdon	Washington	2421WMXNVR26319
197	Superior Carriers Inc.	250	4625 Lee Hwy	Marion	Smyth	2435WSPRFL4625L
198	Virginia Concrete Falls Church Plant	248	7103 Gordon Rd	Falls Church	Falls Church (City)	22043VRGNC7103G
199	Abb Inc.	248	2135 Philpott Rd	South Boston	Halifax	24592WSTNGHIGHW
200	Southern Graphic Systems LLC	245	5301 Lewis Rd	Sandston	Henrico	23150STHRN531LE
201	Owens-Brockway Glass Container Inc. Plant 29	240	29 Glassblower Ln	Ringgold	Pittsylvania	24586WNSBRSTATE
202	Pre Con Inc.	225	220 S Perry St	Petersburg	Petersburg (City)	23803PRCNN220SP

		Total On- Site Releases	Physical Street	Post Office	Actual Physical County or Independent	
Rank	Facility Name	(lbs)	Address	City	City	Facility ID
203	Univar USA Inc. Chester Facilit Y	217	1001 Old Bermuda Hundred Rd	Chester	Chesterfield	23836PRLLM1001O
204	Degesch America Inc.	212	153 Triangle Dr	Weyers Cave	Augusta	24486DGSCH275TR
205	O-N Minerals (Chemstone) Strasburg Lime Plant	207	1696 Oranda Rd	Strasburg	Shenandoah	22657GLBLS1696O
206	Custom Truck One Source	205	12660 E Lynchburg Salem Tpke	Forest	Bedford	2455WCSTMT1266E
207	Virginia Concrete Spotsylvania Plant	182	6110 Smith Station Road	Fredericksburg	Spotsylvania	2240WVRGNC611SM
208	US Army National Guard Ctc Camp Pendleton (Ranges)	181	203 Red Horse Drive	Virginia Beach	Virginia Beach (City)	2345WCTCCM23RED
209	Altec Industries, Inc.	154	325 South Center Drive	Daleville	Botetourt	2408WLTCND325SU
210	O-N Minerals (Chemstone) Winchester Lime Plant	152	508 Quarry Ln	Clear Brook	Frederick	22624GLBLSONEQU
211	Eastman Performance Films, LLC-Axton Facility	141	47 Brenda Dr	Axton	Henry	24054CMMNWRT58S
212	City Point Energy Center	133	912 E Randolph Rd	Hopewell	Hopewell (City)	23860JMSRV912ER
213	Valmont-Virginia Galvanizing Inc.	131	3535 Halifax Rd	Petersburg	Petersburg (City)	23805NDSTR3535H
214	Titan Virginia Ready- Mix LLC-Sterling Plant	130	22963 Concrete Plaza	Sterling	Loudoun	2016WTTNVR22963

		Total On- Site Releases	Physical Street	Post Office	Actual Physical County or Independent	
Rank	Facility Name	(lbs)	Address	City	City	Facility ID
215	U.S. Nasa Gsfc Wallops Flight Facility	124	34200 Fulton Street	Wallops Island	Accomack	23337SNSGDWALLO
216	US Navy Nwsy Defense Fuel Supply Point Yorktown	118	Fuel Farm Rd	Yorktown	York	23690SNVYDYRKTW
217	Samuel Pressure Vessel Group - Lebanon	109	58 Samuel Way	Lebanon	Russell	2426WSTLFB58SAM
218	Electroplate-Rite Corp	92	5529 Lee Hwy	Dublin	Pulaski	24084LCTRPUSRTE
219	United States Gypsum Co	89	1424 S Main St	Norfolk	Norfolk (City)	23523NTDST1001B
220	Capital Concrete Inc.	83	400 Stapleton St	Norfolk	Norfolk (City)	2350WCPTLC4STAP
221	Tms International, LLC	74	25805 Hofheimer Way	Petersburg	Dinwiddie	23803MSDVT2585H
222	Titan Virginia Ready- Mix LLC-Springfield Plant	56	6600 Electronic Dr	Springfield	Fairfax	22151STHRN6600E
223	Titan Virginia Ready- Mix LLC-Campostella Plant	56	2125 Kimball Terrace	Norfolk	Norfolk (City)	2350WTTNVR2125K
224	Mcfarland Cascade Holdings Inc.	52	15939 History Land Hwy	Warsaw	Richmond	22572WDPRSROUTE
225	Bingham & Taylor	45	601 Nalle Pl	Culpeper	Culpeper	2270WBNGHM61NAL
226	Afeta Camp Peary	41	1100 Executive Drive	Williamsburg	York	2318WFTCMP11EXE
227	Modine Manufacturing Co	39	1221 Magnolia Ave	Buena Vista	Rockbridge	24416MDNMN1221M

		Total On- Site Releases	Physical Street	Post Office	Actual Physical County or Independent	
Rank	Facility Name	(lbs)	Address	City	City	Facility ID
228	Superior Concrete Materials Inc Dulles	31	44146 Wade Dr	Chantilly	Loudoun	2015WSPRRC44146
229	Arbortech Forest Products, Inc.	30	500 Dearing Avenue	Blackstone	Nottoway	2382WRBRTC5DEAR
230	Owens-Brockway Glass Container Inc. Plant 26	29	150 Industrial Blvd	Toano	James City	23168WNSLL150IN
231	Kyanite Mining Corp Mullite Plant	28	5836 Buffalo Road	Dillwyn	Buckingham	23936KYNTMRTE15
232	Mechanicsville Concrete LLC-Airport Plant (Oakleys Lane)	28	4481 Oakleys Ln	Henrico	Henrico	2322WMCHNC4481A
233	Hoover Treated Wood Products, Inc.	28	18315 House Dr	Milford	Caroline	22514HVRTRCAROL
234	Utility Trailer Mfg. Co.	27	124 Mountain Empire Road	Atkins	Smyth	24311TLTYTSTATE
235	US Navy Norfolk Naval Shipyard	26	Intersection Of Effingham St & George Washington H	Portsmouth	Portsmouth (City)	23709SDDSNINTER
236	Old Dominion Electric Co-Op Louisa Generation Facility	26	3352 Klockner Rd	Gordonsville	Louisa	22942LDDMN3352K
237	Old Dominion Electric Co-Op Marsh Run Generation Facility	26	12109 Lucky Hill Rd	Remington	Fauquier	22734LDDMN1219L
238	Daikin Applied	25	207 Laurel Hill Rd	Verona	Augusta	24482SNYDRRT612

		Total On- Site Releases	Physical Street	Post Office	Actual Physical County or Independent	
Rank	Facility Name	(lbs)	Address	City	City	Facility ID
239	Medeco Security Locks, Inc.	25	3625 Allegheny Dr	Salem	Roanoke	24153MDCSCUS11A
240	US Dod Warrenton Training Center Station B	24	7471 Bear Wallow Rd	Warrenton	Fauquier	2018WSDDSR7471B
241	Howell Metal Co	23	574 Depot Rd	New Market	Shenandoah	22844HWLLM574DE
242	American Buildings Company-La Crosse	23	501 Golden Eagle Dr	La Crosse	Mecklenburg	23950MRCNB51GLD
243	Associated Asphalt Roanoke, LLC	22	2677 Roanoke Ave Sw	Roanoke	Roanoke (City)	24015SSCTD2677R
244	Graham-White Manufacturing Co.	21	1242 Colorado St	Salem	Roanoke	24153GRHMW1242C
245	Cox Wood Of Virginia	21	2960 Cox Rd	Blackstone	Nottoway	23824TYLRRHIGHW
246	Atlantic Pole & Piling - Newsoms	21	21366 General Thomas Hwy	Newsoms	Southampton	23874TLNTCRTE67
247	Ttm Technologies Na LLC	20	1200 Severn Way	Dulles	Loudoun	22170TMTNC1200S
248	Agc Flat Glass Na Abingdon Plant	20	18370 Oak Park Dr	Abingdon	Washington	24210FGCTN1837A
249	American Phoenix, Inc.	20	121 Martha St	Danville	Danville (City)	2454WMRCNP121MA
250	U.S. Doj Fbi Training Academy	20	Mcb-4 Building 15- Fmu	Quantico	Stafford	22135SDJFBMCB4B
251	Blue Ridge Fiberboard	19	250 Celotex Dr	Danville	Pittsylvania	24543WDFBRMASON
252	Utility Trailer Manufacturing Co	18	13160 Monroe Rd	Glade Spring	Washington	2434WTLTYT1316M

		Total On- Site Releases	Physical Street	Post Office	Actual Physical County or Independent	
Rank	Facility Name	(lbs)	Address	City	City	Facility ID
253	Associated Asphalt Bristol, LLC	14	10 Spurgeon Lane	Bristol	Bristol (City)	2420WSSCTD1SPUR
254	Commonwealth Galvanizing	14	10988 Leadbetter Rd	Ashland	Hanover	2300WCMMNW1988L
255	Chantilly Ready Mix Concrete	11	25232 Willard Road	Chantilly	Loudoun	2015WCHNTL25232
256	US Coast Guard Base Portsmouth	11	4000 Coast Guard Blvd	Portsmouth	Portsmouth (City)	23701SDTSC4000C
257	Tempur Production USA, Inc.	10	203 Tempurpedic Dr	Duffield	Scott	24244TMPRP4700B
258	Sun Chemical Corp	10	16000 Continental Blvd	Colonial Heights	Colonial Heights (City)	23834SNCHM16000
259	Interbake Foods	10	200 Baker Plaza	Front Royal	Warren	2263WNTRBK2BAKE
260	Voestalpine High Performance Metals - South Boston Plant	10	2306 Eastover Dr	South Boston	Halifax	24592CKCMPSTATE
261	Metalsa Roanoke Inc.	10	184 Vista Dr	Roanoke	Botetourt	24019TWRTM184VI
262	US Navy Naval Station Norfolk	9	1531 Gilbert St Suite 2000	Norfolk	Norfolk (City)	23511NVLBS1530G
263	Brantner & Associates Inc., Dba Te Connectivity Mog	8	751 Old Brandy Rd	Culpeper	Culpeper	22701THRCH751OL
264	Ge Alstom Richmond Service Center	7	1200 Willis Rd	Richmond	Chesterfield	23237LSTMP1200W
265	Murphy-Brown LLC Waverly Feed Mill	6	27404 Cabin Point Rd	Waverly	Sussex	23890MRPHY27404

2018 Toxics Release Inventory

		Total On- Site Releases	Physical Street	Post Office	Actual Physical County or Independent	
Rank	Facility Name	(lbs)	Address	City	City	Facility ID
266	Everbrite, LLC	6	627 E 30Th St	Buena Vista	Buena Vista (City)	24416VRBRT627EA
267	US Army Garrison Fort Belvoir	6	9430 Jackson Loop	Fort Belvoir	Fairfax	2206WSRMYF943JA
268	Shamrock Foods Dairy Div Verona Virginia	5	318 Mill Pl Pkwy	Verona	Augusta	2448WSHMRC318MI
269	Ge Drives & Controls	5	1501 Roanoke Blvd	Salem	Salem (City)	24153DRVSY1501R
270	US Dhs Mt Weather Eoc	4	19844 Blue Ridge Mountain Rd	Bluemont	Loudoun	20135SDHSM19844
271	Superior Concrete Materials Inc Lorton	4	8420 Terminal Rd	Lorton	Fairfax	2207WSPRRC842TE
272	Associated Asphalt Hopewell, LLC	4	410 Water St	Hopewell	Hopewell (City)	2386WSSCTD41WAT
273	Falmouth Ready Mix Concrete	4	301 Warrenton Road	Falmouth	Stafford	2240WFLMTH31WAR
274	Mecklenburg Power Station	3	204 Cogen Dr	Clarksville	Mecklenburg	23927MCKLN204CO
275	Safety-Kleen Systems Chester (Cva)	3	1200 W 100 Rd	Chester	Chesterfield	23831SFTYK1200W
276	Safety-Kleen Systems Vinton (Roa)	3	16090 Stewartsville Rd	Vinton	Roanoke	24179SFTYKRTE24
277	Safety-Kleen Systems Manassas (Man)	3	11520 Balls Ford Rd	Manassas	Prince William	22110SFTYK11520
278	Manassas Broad Run Ready Mix Concrete	3	9321 Developers Drive	Manassas	Prince William	2010WMNSSS9321D

D. I		Total On- Site Releases	Physical Street	Post Office	Actual Physical County or Independent	
Rank	Facility Name	(lbs)	Address	City	City	Facility ID
279	Boxley Materials Company Roanoke Ready Mix Plant	2	3830 Blue Ridge Dr Sw	Roanoke	Roanoke (City)	24019BXLYC383BL
280	Pallet One Of Virginia	2	820 Boyd St	Chase City	Mecklenburg	2392WPLLTN82BYD
281	W&W-Afco Steel LLC	2	15083 Industrial Park Rd	Bristol	Washington	24202CRLNS1583I
282	Trelleborg Marine Systems USA, Inc.	1	532 Jack Enders Blvd	Berryville	Clarke	2261WTRLLB532JA
283	Bkep Materials, LLC Newport News Va	1	801 Terminal Ave	Newport News	Newport News (City)	23607KCHPT801TE
284	Amsted Rail Co., Inc.	1	2580 Frontage Rd	Petersburg	Petersburg (City)	23804BRNCNPETER
285	Branscome-Lee Hall	1	9393 Merrimac Trail	Williamsburg	James City	23185BRNSC9393M
286	Branscome-Hampton	1	1922 W Pembroke Ave	Hampton	Hampton (City)	23661BRNSC1922W
287	Kik (Virginia) LLC	1	27 Mill Ln	Salem	Roanoke	24153THDLC27MIL
288	Branscome Inc Norfolk Westminster	1	3425 Westminster Ave	Norfolk	Norfolk (City)	23504BRNSC3425W
289	Intelligent Platforms, LLC	1	2500 Austin Drive	Charlottesville	Albemarle	22901GFNCTUS29N
290	Cooper Steel	1	275 Francis Ave	Monroe	Amherst	24574LYNCHRT29N
291	Virginia Paving Alexandria Plant	1	5601 Courtney Avenue	Alexandria	Alexandria (City)	2230WTHLNC561CU
292	Virginia Mirror Co Inc.	1	300 S Moss St	Martinsville	Henry	24112VRGNM300MO
293	Virginia Paving Company Occoquan Plant	1	10000 Ox Rd	Lorton	Fairfax	2207WVRGNP1XRDX

		Total On- Site Releases	Physical Street	Post Office	Actual Physical County or Independent	
Rank	Facility Name	(lbs)	Address	City	City	Facility ID
294	Greystone Of Virginia Inc.	1	7992 Richmond Rd	Toano	James City	23168GRYST7992R
295	Taylor & Boody Inc.	1	8 Hewitt Rd	Staunton	Augusta	24401TYLRB8HEWE
296	St Tissue LLC	1	34050 Union Camp Dr	Franklin	Isle Of Wight	2385WSTTSS345UN
297	Northrop Grumman Systems Corporation	0	1070 Seminole Trail	Charlottesville	Albemarle	22906SPRRY1070S
298	Remington Power Station	0	12025 Lucky Hill Road	Remington	Fauquier	2273WDMNNR1225L
299	Ladysmith Combustion Turbine Station	0	8063 Cedon Rd	Woodford	Caroline	22580LDYSM863CE
300	Westrock / Seven Hills LLC	0	1801 Concord Turnpike	Lynchburg	Lynchburg (City)	24505MDPPR1801C
301	U.S. Cbp Canine Training Facility Firing Range #Va0040	0	828 Harmony Hollow Rd	Front Royal	Warren	22630SCSTM828HA
302	Gordonsville Power Station	0	819 Hill Rd	Gordonsville	Louisa	22942GRDNS115RE
303	Sonoco Richmond	0	1850 Commerce Rd	Richmond	Richmond	23224SNCPR1850C
304	Argos Ready Mix Bryan Park Concrete Plant	0	4607 Racrete Rd	Richmond	Henrico	23230RDYMX457RA
305	Trex - Virginia Manufacturing Operations	0	3229 Shawnee Drive	Winchester	Frederick	2260WTRXWN3229S
306	Concrete Pipe & Precast LLC-Hanover Pipe Plant	0	10350 Design Rd	Ashland	Hanover	2300WMRCST135DE

Dank	Facility Name	Total On- Site Releases	Physical Street Address	Post Office	Actual Physical County or Independent	Facility ID
Rank		(lbs)	Address	City	City	Facility ID
307	Concrete Pipe & Precast LLC-Ashland Precast Plant	0	11352 Virginia Precast Rd	Ashland	Hanover	2300WSSRCM312MI
308	Elizabeth River Combustion Turbine Station	0	2837 S Military Hwy	Chesapeake	Chesapeake (City)	23323CMMNW2837S
309	Concrete Pipe & Precast LLC Chesapeake Plant	0	3801 Cook Blvd	Chesapeake	Chesapeake (City)	23323HNSNP381CK
310	Pre Con, Inc.	0	321 Brown St	Petersburg	Petersburg (City)	2380WPRCNN321BR
311	Anchor An Oldcastle Co	0	16326 Ind Us Trial Dr	Milford	Caroline	22514MRCNS16326
312	Medeco Security Locks Inc.	0	3625 Allegheny Dr	Salem	Roanoke	24153MDCSCUS11A
313	Columbus Mckinnon Corp	0	22364 Jeb Stuart Hwy	Damascus	Washington	24236CLMBSRTE1B
314	Titan Virginia Ready- Mix LLC-Leesburg Plant	0	42105 Cochran Mill Rd	Leesburg	Virginia Beach (City)	2017WTTNVR4215C
315	Titan Virginia Ready- Mix LLC-Centreville Plant	0	15718 Lee Highway	Centreville	Fairfax	2202WTTNVR15718
316	Flint Group Na Corp	0	106 Triangle Dr	Weyers Cave	Augusta	24486CPTLPSTATE
317	Mechanicsville Concrete LLC-Chesterfield Plant	0	3501 Warbro Rd	Midlothian	Chesterfield	2311WMCHNC351WA
318	Superior Concrete Inc Harrisonburg	0	1526 County Club Rd	Harrisonburg	Rockingham	2280WSPRRC1526C

Rank	Facility Name	Total On- Site Releases (lbs)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
319	Titan Virginia Ready- Mix LLC-Stafford Plant	0	48 Powell Ln	Falmouth	Stafford	2240WTTNVR48PWE
320	Tcs Materials Chester Plant	0	12020 Old Stage Road	Chester	Chesterfield	2383WTCSMT122LD
321	Virginia Concrete Dumfries Plant	0	217 Canal Rd	Dumfries	Prince William	2202WVRGNC217CA
322	Virginia Concrete - Stephens City	0	339 Estep Road	Stephens City	Frederick	2265WSTPHN339ES
323	Titan Virginia Ready- Mix LLC-Oceana Plant	0	160 Oceana Blvd.	Virginia Beach	Virginia Beach (City)	2345WTTNVR16CEA
324	Tcs Materials Newport News	0	700 Shields Rd	Newport News	Newport News (City)	2318WTCSMT7SHIE
325	Virginia Concrete Woodbridge Plant	0	936 Annapolis Way	Woodbridge	Prince William	2219WVRGNC936AN
326	Titan Virginia Ready- Mix LLC-Clear Brook Plant	0	1383 Brucetown Rd	Clear Brook	Frederick	2262WTTNVR1383B
327	Titan Virginia Ready- Mix LLC-Port Norfolk Plant	0	101 Chautauqua Ave	Portsmouth	Portsmouth (City)	2370WTTNVR11CHA
328	Titan Virginia Ready- Mix LLC-Dumfries Plant	0	3454 Canal Rd	Dumfries	Prince William	2202WTTNVR3454C
329	Virginia Concrete Co IncChantilly	0	25086 Tanner Ln	Chantilly	Loudoun	2015WVRGNC2586T
330	James Hardie Building Products Pulaski	0	1000 James Hardie Way	Pulaski	Pulaski	24301JHBPP1JAME

		Total On- Site Releases	Physical Street	Post Office	Actual Physical County or Independent	
Rank	Facility Name	(lbs)	Address	City	City	Facility ID
331	Ardent Mills, LLC	0	1900 Industry Dr	Culpeper	Culpeper	2270WRDNTM19IND
332	Woodwick Candle	0	200 Toy Lane	Blairs	Pittsylvania	2455WSMTHM1DILL
333	Amelia Lumber Co Inc.	0	8680 Crowder St	Amelia Court House	Amelia	23002MLLMB16951
334	Westover Dairy	0	2801 Fort Ave	Lynchburg	Lynchburg (City)	24501WSTVR2801F
335	Webb Enterprises LLC American Mirror	0	602 E Stuart Dr	Galax	Galax (City)	24333MRCNMPOBOX
336	Banker Steel Company, LLC	0	351 Rangoon Road	Lynchburg	Campbell	2450WBNKRS351RA
337	Wwf Operating Co	0	6364 S Valley Pike	Mount Crawford	Rockingham	22841SHNND6364S
338	Vpgc LLC Broadway Feedmil	0	410 S Main St	Broadway	Rockingham	22815WMPLRRTE42
339	Bear Garden Generating Station	0	2608 C.G. Woodson Road	New Canton	Buckingham	2312WBRGRD268CG
340	Chesapeake Energy Center	0	2701 Vepco St	Chesapeake	Chesapeake (City)	23323CHSPK2701V
341	Blue Ridge Solvents & Coatings	0	3800 Original Henry Rd	Henry	Franklin	24102BLRDGSTATE
342	Banker Steel Company, LLC	0	1619 Wythe Rd	Lynchburg	Lynchburg (City)	24502MNTGB1619W
343	Cargill Turkey Production LLC	0	1 Kratzer Ave	Harrisonburg	Harrisonburg (City)	22802RCCFR1KRAT
344	Cerro Fabricated Products LLC	0	300 Triangle Dr	Weyers Cave	Augusta	24486CRRMT300TR
345	Chemetrics Inc.	0	4295 Catlett Rd	Midland	Fauquier	20138CHMTR4295C

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Rank	Facility Name	(lbs)	Address	City	City	Facility ID
346	Blue Ridge Wood Preserving Inc.	0	1220 Hendricks Store Rd	Moneta	Bedford	24523SMTHMPOBOX
347	Bondcote Corp	0	509 Burgis Ave	Pulaski	Pulaski	24301WSTPNBURGI
348	Cardinal Glass	0	2132 Cardinal Park Dr	Vinton	Roanoke	2417WCRDNL2132C
349	Bren Mar	0	6315 Bren Mar Dr	Alexandria	Fairfax	2231WBRNMR6315B
350	Bush Center For Intelligence (CIA)	0	1000 Colonial Farm Rd	Mc Lean	Fairfax	2210WCHDQRRUTES
351	Chemtreat Inc.	0	10040 Lickinghole Rd	Ashland	Hanover	23005CHMTR500LI
352	Papco Inc.	0	4920 Southern Blvd	Virginia Beach	Virginia Beach (City)	2346WPPCNC492SU
353	Qpi Warsaw Bulk Plant	0	11549 Historyland Hwy	Warsaw	Richmond	2257WQPWRS11549
354	Pugh Lubricants Ashland	0	10992 Leadbetter Rd	Ashland	Hanover	23005PGHLB1992L
355	Prochem, Inc.	0	5100 Enterprise Dr	Elliston	Montgomery	24087PRCHM51ENT
356	Potomac Supply LLC	0	1398 Kinsale Rd	Kinsale	Westmoreland	22488PTMCSROUTE
357	Pilgrim's Pride Corp Harrisonburg Feedmill	0	590 Mt Clinton Pike	Harrisonburg	Harrisonburg (City)	22801WMPLR590MT
358	Pilgrim's Pride Corp Broadway Facility	0	330 Co-Op Dr	Timberville	Rockingham	22853RCKNGCOOPD
359	Permatile Concrete Products Company	0	100 Beacon Rd	Bristol	Bristol (City)	2420WPRMTL1BEAC
360	Zenith Fuel Systems LLC	0	14570 Industrial Park Rd	Bristol	Washington	24201FCTFL1048I

		Total On- Site			Actual Physical County or	
		Releases	Physical Street	Post Office	Independent	
Rank	Facility Name	(lbs)	Address	City	City	Facility ID
361	Papco Oil Company	0	407 Jefferson Avenue	Newport News	Newport News (City)	2360WPPCLC47JEF
362	Quarles Petroleum Inc. Harrisonburg Bulk Plant	0	1006 W Market St	Harrisonburg	Harrisonburg (City)	22801QRLSP1006W
363	Novozymes Biologicals Inc.	0	528 Chapman St	Salem	Salem (City)	24153NVZYM528CH
364	Novozymes	0	420 Kesler Mill Rd	Salem	Roanoke	24153NVZYM42KES
365	U.S. Dod Warrenton Training Center Station B	0	7472 Bear Wallow Rd	Warrenton	Fauquier	2018WSDDSR7471B
366	Munters Corporation	0	43 Douglas Way	Natural Bridge Station	Rockbridge	2457WMNTRS43DUG
367	Munters	0	225 S Magnolia Ave	Buena Vista	Rockbridge	2441WDSCHM225SM
368	Moog Inc.	0	1213 N Main St	Blacksburg	Montgomery	24060LTTNP1213N
369	U.S. Dod Warrenton Training Center Station C Range	0	7248 Sumerduck Rd	Remington	Fauquier	2273WSDDSR7248S
370	Jci Jones Chemicals Inc.	0	16248 Industrial Dr	Milford	Caroline	22514JNSCHRT640
371	Pascor Atlantic Corp	0	254 Industry Dr	Bland	Bland	24315PSCSTRTE1B
372	Sabra Dipping Co LLC	0	15900 Sabra Way	Colonial Heights	Chesterfield	2383WSBRDP159SA
373	U.S. Army Warrenton Training Center, Station D	0	22129 Confederate Road	Elkwood	Culpeper	2271WSRMYW22129
374	Tyson Farms Inc Feed Mill	0	1938 Patrick Henry Hwy	Jetersville	Nottoway	23083HLLYFUSHWY

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Rank	Facility Name	(lbs)	Address	City	City	Facility ID
375	Toray Plastics (America) Inc.	0	500 Toray Dr	Front Royal	Warren	22630TRYPL500TO
376	Tidewater Wood Products, LLC	0	5604 City Line Rd	Hampton	Hampton (City)	23661CMMNW5604C
377	Super Radiator Coils	0	451 Southlake Blvd	Richmond	Chesterfield	23236SPRRD451SO
378	Sunlite Plastics Inc.	0	846 Keezletown Rd	Weyers Cave	Augusta	24486SNLGHROUTE
379	Stafford Plant	0	169 Wyche Rd	Stafford	Stafford	2255WSTFFR169WY
380	Spotsylvania Plant	0	8520 Indian Hills Ct.	Fredericksburg	Spotsylvania	2240WSPTSY852IN
381	Qualichem, Inc. Plant 1	0	2003 Salem Industrial Dr	Salem	Salem (City)	2415WQLCHM23SAL
382	Safety-Kleen Systems Chesapeake (Cpk)	0	4545 Bainbridge Blvd	Chesapeake	Chesapeake (City)	23320SFTYK4545B
383	Qualichem, Inc. Plant 2	0	510 Branch Dr	Salem	Salem (City)	2415WQLCHM51BRA
384	S.L. Williamson Co. Inc. Shop	0	1230 River Road	Charlottesville	Albemarle	2290WSLWLL123RI
385	Ruffin Creek Properties LLC	0	10229 Tidewater Trail	Fredericksburg	Spotsylvania	22408RFFNC10229
386	U.S. Army Joint Base Myer-Henderson Hall Garrison Ops (Part)	0	204 Lee Ave	Fort Myer	Arlington	2221WSRMYJ24LEE
387	Quarles Petroleum Inc. W Inc.hester Bulk Plant	0	779 Smithfield Ave	Winchester	Frederick	22601QRLSP779SM
388	Quarles Petroleum Inc. Manassas Bulk Plant	0	8001 Wellingford Dr	Manassas	Prince William	20109QRLSP8001W

		Total On- Site			Actual Physical County or	
Rank	Facility Name	Releases (lbs)	Physical Street Address	Post Office City	Independent City	Facility ID
389	Quarles Petroleum Inc. Front Royal Bulk Plant	0	195 Commerce Ave	Front Royal	Warren	22630QRLSP195CO
390	Quarles Petroleum Inc. Culpeper Bulk Plant	0	15427 Brandy Rd	Culpeper	Culpeper	22701QRLSP15427
391	Abb Inc.	0	171 Industry Drive	Bland	Bland	24315BBPWRSTRTE
392	Schrader-Bridgeport International	0	205 Frazier Rd	Altavista	Campbell	24517PDMNT205FR
393	Electronic Instrumentation & Technology LLC	0	309 Kellys Ford Plz Se	Leesburg	Loudoun	2017WLCTRN39KEL
394	General Dynamics Mission Systems, Inc.	0	150 Johnston Rd	Marion	Smyth	24354BRNSW150JO
395	Gemini-Farmville	0	102 Hauschild Dr	Farmville	Cumberland	23901GMNFR12HAU
396	Gea Systems Dba LLC (Dba LLC Dowty Propellers)	0	114 Powers Ct	Sterling	Loudoun	20166SMTHS114PW
397	Gala Industries In	0	181 Pauley St	Eagle Rock	Botetourt	24085GLNDSRFD2B
398	Flowserve US Inc.	0	3900 Cook Blvd	Chesapeake	Chesapeake (City)	23323NGRSL3900C
399	Flowserve Corp Lynchburg VA	0	5114 Woodall Rd	Lynchburg	Lynchburg (City)	24502LMTRQ5114W
400	Fleetwood Homes Of Virginia Inc. 19-2	0	90 Weaver St	Rocky Mount	Franklin	24151FLTWD90WEA
401	Mitsubishi Chemical Composites America	0	401 Volvo Pkwy	Chesapeake	Chesapeake (City)	23320MTSBS401VA
402	Eternal Technology Corp	0	1800 Touchstone Rd	Colonial Heights	Chesterfield	23834TRNLT18TUC

Rank	Facility Name	Total On- Site Releases (lbs)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
403	Great Southern Wood - Va, Inc.	0	1050 N Main St	Rocky Mount	Franklin	24151RCKYTNORTH
404	Eit South	0	350 Slayton Avenue	Danville	Danville (City)	2454WLCTRN35SLA
405	Eaton Corporation - Williamsburg Manufacturing	0	149 Warwick Court	Williamsburg	York	2318WTNCRP149WA
406	Culpeper Wood Preservers	0	15487 Braggs Corner Rd	Culpeper	Culpeper	22701CLPPRROUTE
407	Creative Playthings Ltd.	0	859 Industrial Dr	Emporia	Greensville	23847CRTVP859IN
408	Continental Automotive Systems Inc.	0	615 Bland Blvd	Newport News	Newport News (City)	23602LLDSG615BL
409	Conn-Weld Ind Inc.	0	New Bern Rd State Rd 682	Dublin	Pulaski	24084CNNWLNEWBE
410	Colonial Circuits Inc.	0	1026 Warrenton Rd	Fredericksburg	Stafford	22405CLNLC1026W
411	Cmc Rebar Va King George	0	10924 Dennis W Kerns Pkwy	King George	King George	2248WCMCRB1924D
412	Fisher Scientific International Mtn Diagnostics Plant	0	8365 Valley Pike	Middletown	Frederick	22645FSHRD8365V
413	Industrial Chemicals Inc.	0	2540 Bellwood Rd	Richmond	Chesterfield	23237NDLCH2540B
414	Mennel Milling Co of Virginia	0	5185 Benois Rd	Roanoke	Roanoke	24018MNNLM5185B
415	Mastic Home Exteriors Stuarts Draft	0	185 Johnson Dr	Stuarts Draft	Augusta	24477LCBLDRTE90

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		Total On- Site Releases	Physical Street	Post Office	Actual Physical County or Independent	
Rank	Facility Name	(lbs)	Address	City	City	Facility ID
416	Marva Maid Dairy	0	5500 Chestnut Ave	Newport News	Newport News (City)	23605MRVMD5500C
417	Marshall Bulk Plant	0	3778 Whiting Rd - Lot 9	Marshall	Fauquier	2011WMRSHL3778W
418	Mapei Corp	0	300 Nelms Cir	Fredericksburg	Stafford	22406MPCRP3NELM
419	Madison Wood Preservers Inc.	0	216 Oak Park Rd	Madison	Madison	22727MDSNWSTARR
420	Joint Base Langley Eustis-Eustis (Jble- Eustis)	0	705 Washinton Blvd	Fort Eustis	Newport News (City)	23604SDDSRFORTE
421	Johns Manville Corp Hamilton Plant	0	7400 Ranco Rd	Richmond	Henrico	23228MNVLL7400R
422	George's Foods LLC Feed Mill	0	61 Kratzer Rd	Harrisonburg	Harrisonburg (City)	22801RCCFDPOBOX
423	International Cold Storage	0	5678 Heards Mountain Rd	Covesville	Albemarle	22931NTRNTROUTE
424	George's Foods, LLC. Processing Plant	0	501 N Liberty St	Harrisonburg	Rockingham	22801HLLYF501NO
425	Imperial Group Manufacturing Inc.	0	4969 Stepp Place	Dublin	Pulaski	2408WMPRLG4969S
426	Hunt Country Propane	0	535 Jack Enders Blvd	Berryville	Clarke	2261WHNTCN535JA
427	Hp Hood LLC	0	160 Hood Way	Winchester	Frederick	22602HPHDX160HO
428	Harris Corp - Night Vision	0	7635 Plantation Rd	Roanoke	Roanoke	24019TTLCT7635P

2018 Toxics Release Inventory

Rank	Facility Name	Total On- Site Releases (lbs)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
429	Guardian Fabrication, LLC - Plant 2	0	110 Jack Guynn Dr	Galax	Galax (City)	24333CNSLD110JA
430	Grottoes Plastics Plant	0	149 Grand Caverns Dr	Grottoes	Augusta	24441RYNLDCAVER
431	Griffith Energy Services IncBerryville	0	618 E Main St	Berryville	Clarke	22611CLRKC618EM
432	Cmc Rebar	0	9434 Crossroads Pkwy	Fredericksburg	Spotsylvania	22408SMRBR9434C
433	Micrometrics System	0	225 Jeb Stuart Hwy	Meadows Of Dan	Patrick	24120MCRMT2900W

Appendix I-2 - 2018 VA TRI Facility Ranking by On-Site Management

APPENDIX I-2 - 2018 VA TRI FACILITY RANKING BY ON-SITE MANAGEMENT

	AFFENDIA 1-2 - 2016 VA TRI FACILITI RANKING DI ON-SITE MANAGEMENT							
Rank	Facility Name	Total On- Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID		
1	Honeywell International Colonial Heights Plant	344,200,330	15801 Woods Edge Rd	Colonial Heights	Chesterfield	23832LLDSGEXIT5		
2	Ashland Specialty Ingredients Gp	254,955,289	1111 Hercules Rd	Hopewell	Hopewell (City)	23860QLNCM1111H		
3	Bae Systems, Ordnance Systems Inc.	33,379,883	Radford Army Ammunition Plant 4050 Peppers Ferry R	Radford	Montgomery	24141RDFRDPOBOX		
4	Westrock Virginia Corp (Entire)	27,732,966	104 E. Riverside Street	Covington	Covington (City)	24426WSTVCRIVER		
5	International Paper Franklin Mill	15,934,407	34040 Union Camp Dr	Franklin	Isle Of Wight	23851NNCMPHIGHW		

Rank	Facility Name	Total On- Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
6	Axalta Coating Systems USA LLC-Front Royal Plant	12,967,507	7961 W Inc.hester Rd	Front Royal	Warren	22630DPNTFPOBOX
7	Westrock Cp, LLC	8,691,678	1901 Main St	West Point	King William	23181CHSPK19THM
8	George'S Chicken LLC	6,564,395	19992 Senedo Rd	Edinburg	Shenandoah	22824RCCFRRTE42
9	Basf Corp	4,797,043	2301 Wilroy Rd	Suffolk	Suffolk (City)	23434LLDCL2301W
10	Ingevity Virginia Corporation	3,891,000	958 E Riverside St	Covington	Covington (City)	2442WNGVTY958ER
11	Advansix Inc. Hopewell Plant	3,623,809	905 E Randolph Rd	Hopewell	Hopewell (City)	23860LLDSGPOBOX
12	Virginia City Hybrid Energy Center	3,072,000	3425 Russell Creek Rd	Saint Paul	Wise	2428WVRGNC3425R
13	Wolverine Advanced Materials	2,963,392	3175 State St	Blacksburg	Montgomery	24060WLVRN3175S

Rank	Facility Name	Total On- Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
14	Intertape Polymer Corp	2,439,457	1101 Eagle Springs Rd	Danville	Pittsylvania	24540NTRTPSTATE
15	Cpfilms, Inc.	2,357,310	345 Beaver Creek Dr	Martinsville	Henry	24112CMMNW345BE
16	Bwxt Nuclear Operations Group, Inc.	2,246,088	1570 Mount Athos Rd	Lynchburg	Campbell	24504BBCCKMTATH
17	Tyson Farms Inc Temperanceville	2,226,799	11224 Lankford Hwy	Temperanceville	Accomack	23442HLLYFUSHIG
18	Clover Power Station	2,020,000	4091 Clover Rd	Clover	Halifax	24534CLVRPRTE92
19	Dynax America Corp	1,840,956	568 E Park Dr	Roanoke	Botetourt	24019DYNXM568EP
20	Cpfilms - Plant Ii	1,789,100	4129 The Great Rd	Fieldale	Henry	24089MRTNPRTE68
21	Arkema Inc.	1,701,430	601 Tightsqueeze Ind Us Trial Rd	Chatham	Pittsylvania	24531SRTMR601TI

Rank	Facility Name	Total On- Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
22	Micron Technology Inc.	1,286,000	9600 Godwin Dr	Manassas	Prince William	20110DMNNS9600G
23	O'Sullivan Films Inc.	1,265,483	1944 Valley Ave	Winchester	Winchester (City)	22601SLLVN1944V
24	Wolverine Advanced Materials	1,240,796	201 Industrial Park Rd	Blacksburg	Montgomery	24060WLVRN201IN
25	Birchwood Power Facility	1,079,832	10900 Birchwood Dr	King George	King George	22547BRCHW10900
26	Celanese Acetate LLC - Celco P Lant	1,032,138	3520 Virginia Ave	Narrows	Giles	24124HCHSTRT460
27	U.S. Navy Defense Fuel Support Point Craney Island	836,943	4501 Cedar Ln Bldg 288	Portsmouth	Portsmouth (City)	23703CRNYS4501C
28	Ardagh Metal Packaging USA Inc.	819,000	5022 Hollins Rd	Roanoke	Roanoke (City)	2401WRDGHM522HL

Rank	Facility Name	Total On- Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
29	Tyson Farms Inc Processing Facility	806,246	13264 Mountain Rd	Glen Allen	Hanover	20360HLLYF3301U
30	Georgia-Pacific Big Island Mill	774,193	9363 Lee- Jackson Hwy	Big Island	Bedford	24526NKSPCHIGHW
31	Mehler Engineered Products	750,418	175 Mehler Ln	Martinsville	Henry	24112MHLRN175ME
32	Vpgc LLC Hinton Facility	667,046	6349 Rawley Pike Hwy 33 We	Hinton	Rockingham	22831WMPLRUSRT3
33	Perdue Farms Accomac Processing Plant	545,294	22520 Lankford Hwy	Accomac	Accomack	23301PRDNCROUTE
34	Dupont Teijin Films	540,635	3600 Discovery Dr	Chester	Chesterfield	23860CMRCSBERMU
35	Spruance Genco LLC	477,311	5001 Commerce Rd	Richmond	Richmond (City)	23234CGNTR5001C

Rank	Facility Name	Total On- Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
36	Huber Engineered Woods LLC	462,507	1000 Chaney Ln	Crystal Hill	Halifax	24539JMHBRRT3HW
37	Koppers Inc. (Roanoke)	418,253	4020 Koppers Rd	Salem	Roanoke	24153KPPRSRT460
38	Toray Plastics (America) Inc.	391,389	500 Toray Dr	Front Royal	Warren	22630TRYPL500TO
39	Greif Packaging LLC	364,198	861 Fibre Plant Rd	Amherst	Amherst	24521VRGNFROUTE
40	Wwf Operating Co	362,304	6364 S Valley Pike	Mount Crawford	Rockingham	22841SHNND6364S
41	Sterilization Services Of Virginia	341,625	5674 Eastport Blvd	Richmond	Richmond (City)	23231STRLZ5674E
42	Georgia-Pacific Wood Products LLC - Brookneal Osb	330,000	11795 Brookneal Highway	Gladys	Campbell	24554GRGPCHIGHW

Rank	Facility Name	Total On- Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
43	Merck Sharp & Dohme Corp.	266,178	2778 Se Side Hwy	Elkton	Rockingham	22827MRCKCHIGHW
44	Fujifilm Wako Chemicals USA Corporation	240,200	1600 Bellwood Rd	Richmond	Chesterfield	23237WKCHM1600B
45	Philip Morris USA Park 500 Site	220,408	4100 Bermuda Hundred Rd	Chester	Chesterfield	23831PHLLP4100B
46	Cargill Meat Solutions Inc.	208,078	135 Huffman Dr	Dayton	Rockingham	22821RCCTRROUTE
47	Westrock Cp LLC	202,271	910 Industrial St	Hopewell	Hopewell (City)	23860STNHP910IN
48	New Market Poultry LLC	196,900	145 Old East Cross Road	New Market	Shenandoah	2284WNWMRK145LD
49	General Shale Brick Inc. Plant 35 & 36	173,870	2353 Webster Rd	Roanoke	Botetourt	24064GNRLS770WE
50	Volvo Group North America, LLC	173,455	4881 Cougar Trail Road	Dublin	Pulaski	24084VLVGMROUTE

Rank	Facility Name	Total On- Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
51	Spruance Plant	140,130	U.S. Hwy 1 At Cogbill Rd	Richmond	Chesterfield	23234DPNTSUSHIG
52	Yorktown Power Station	135,000	1600 Waterview Rd	Yorktown	York	23692YRKTW1600W
53	Hp Hood LLC	129,568	160 Hood Way	Winchester	Frederick	22602НРНДХ160НО
54	Pilgrim's Pride Corp Broadway Facility	120,996	330 Co-Op Dr	Timberville	Rockingham	22853RCKNGCOOPD
55	Eastman Performance Films, LLC- Plant 1	118,000	4210 The Great Rd	Fieldale	Henry	24089MRTNPROUTE
56	Green Plains Hopewell LLC	99,473	701 S 6Th Ave	Hopewell	Prince George	2386WPPMTT71S6T
57	U.S. Amines (Portsmouth) LLC	96,337	3230 W Norfolk Rd	Portsmouth	Portsmouth (City)	23703CLNSC3230E

Rank	Facility Name	Total On- Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
58	Philip Morris USA Commerce Road Site	92,611	3601 Commerce Rd	Richmond	Richmond (City)	23234PHLLP3601C
59	Alliant Techsystems Operations LLC (New River Energetics)	92,363	Rt 114 Radford Army Ammunition Plant	Radford	Montgomery	24141NWRVRRTE11
60	George'sFoods, LLC. Processing Plant	90,253	501 N Liberty St	Harrisonburg	Rockingham	22801HLLYF501NO
61	Westrock Cp, LLC	87,520	910 Industrial St	Hopewell	Hopewell (City)	23860STNHP910IN
62	Sabra Dipping Co LLC	83,130	15900 Sabra Way	Colonial Heights	Chesterfield	2383WSBRDP159SA
63	Ashland Specialty Ingredients Gp	76,837	1111 Hercules Rd -	Hopewell	Hopewell (City)	23860QLNCM1111H

Rank	Facility Name	Total On- Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
64	Canon Virginia Inc.	59,305	12000 Canon Blvd	Newport News	Newport News (City)	23606CNNVR12000
65	Millercoors- Shenandoah	52,436	5135 S Eastside Hwy	Elkton	Rockingham	22827DLPHCROUTE
66	Masco Cabinetry	50,147	1325 Industrial Park Rd	Mount Jackson	Shenandoah	22842MRLLTSTATE
67	Evonik Industries	44,489	914 E Randolph Rd	Hopewell	Hopewell (City)	23860GLDSC914ER
68	Ttm Technologies Na LLC	41,816	1200 Severn Way	Dulles	Loudoun	22170TMTNC1200S
69	Redland Brick Inc Lawrenceville Plant	41,398	16024 Governor Harrison Pkwy	Lawrenceville	Brunswick	23868BRCKTHWY58
70	Cerro Fabricated Products LLC	40,296	300 Triangle Dr	Weyers Cave	Augusta	24486CRRMT300TR

Rank	Facility Name	Total On- Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
71	Shamrock Foods Dairy Div Verona Virginia	39,835	318 Mill Pl Pkwy	Verona	Augusta	2448WSHMRC318MI
72	Howmet Castings & Services Inc.	38,258	One Howmet Dr	Hampton	Hampton (City)	23661HWMTCONEHO
73	Tecton Products LLC	36,982	5415 Corporate Cir	Salem	Roanoke	24153TCTNP5415C
74	Marva Maid Dairy	34,624	5500 Chestnut Ave	Newport News	Newport News (City)	23605MRVMD5500C
75	Valley Proteins Inc. Linville Facility	33,957	6230 Kratzer Rd	Linville	Rockingham	22834VLLYP623KR
76	Accellent	27,584	200 S. Yorkshire Street	Salem	Roanoke	24153NBLMT200SY
77	The Lycra Company LLC	23,000	400 Du Pont Blvd	Waynesboro	Augusta	22980DPNTWDUPON

Rank	Facility Name	Total On- Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
78	Danchem Technologies Inc.	21,000	1975 Old Richmond Rd	Danville	Pittsylvania	24540DNRVRSTATE
79	Qg Printing Ii Corp	20,825	160 Century Ln Stonewall Ind Us Trial Park	Winchester	Frederick	22603QBCRW16CEN
80	Carry-On Trailer Corp	18,175	159 Industrial Park Rd	Montross	Westmoreland	22520CRRYN159IN
81	Fujifilm Wako Chemicals USA Corp	13,000	1600 Bellwood Rd	Richmond	Chesterfield	23237WKCHM1600B
82	Georgia Pacific Wood Products LLC Emporia Plywood	12,900	634 Davis St	Emporia	Greensville	23847GRGPCDAVIS
83	U.S. Navy Nwsy Defense Fuel Supply Point Yorktown	12,230	Fuel Farm Rd	Yorktown	York	23690SNVYDYRKTW

Rank	Facility Name	Total On- Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
84	Lsc Communications / Strasburg	11,319	One Shenandoah Valley Dr	Strasburg	Shenandoah	22657SHNNDROUTE
85	Westover Dairy	11,162	2801 Fort Ave	Lynchburg	Lynchburg (City)	24501WSTVR2801F
86	Menzies Aviation Fueling Operations Wash Dulles Internationa	7,725	Tank Farm Rd Building 2	Sterling	Loudoun	20166RBPXXBUILD
87	Kinder Morgan Transmix Company, LLC	2,820	3302 Deepwater Terminal Rd	Richmond	Richmond (City)	23234PRMRY3302D
88	Pre Con Inc.	1,890	220 S Perry St	Petersburg	Petersburg (City)	23803PRCNN220SP
89	Virginia Transformer Corp.	965	220 Glade View Dr Ne	Roanoke	Roanoke	24012VRGNT220GL

Rank	Facility Name	Total On- Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
90	U.S. Navy Naval Air Station Oceana Base	833	1750 Tomcat Blvd	Virginia Beach	Virginia Beach (City)	23460SNVLROCEAN
91	Aquatic Co	684	1100 Industrial Park Rd Halifax Industrial Park	South Boston	Halifax	24592PHLPSPOBOX
92	U.S. Nasa Gsfc Wallops Flight Facility	363	34200 Fulton Street	Wallops Island	Accomack	23337SNSGDWALLO
93	Grottoes Plastics Plant	224	149 Grand Caverns Dr	Grottoes	Augusta	24441RYNLDCAVER
94	Eternal Technology Corp	100	1800 Touchstone Rd	Colonial Heights	Chesterfield	23834TRNLT18TUC
95	Capital Concrete Inc.	83	400 Stapleton St	Norfolk	Norfolk (City)	2350WCPTLC4STAP

Rank	Facility Name	Total On- Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
96	Owens- Brockway Glass Container Inc. Plant 26	16	150 Industrial Blvd	Toano	James City	23168WNSLL150IN
97	Strongwell Corporation- Bristol	2	400 Commonwealth Ave.	Bristol	Washington	24203MRRSN400CO
98	Strongwell Corp Highlands Div	1	26770 Newbanks Rd	Abingdon	Washington	24210STRNG26770
99	Bkep Materials, LLC Newport News Va	1	801 Terminal Ave	Newport News	Newport News (City)	23607KCHPT801TE
100	Anheuser-Busch LLC	0	7801 Pocahontas Trail	Williamsburg	James City	23185NHSRB7801P
101	Huntington Ingalls Inc.	0	4101 Washington Ave	Newport News	Newport News (City)	23607NWPRT4101W

Rank	Facility Name	Total On- Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
102	Greystone Of Virginia Inc.	0	7992 Richmond Rd	Toano	James City	23168GRYST7992R
103	Griffin Pipe Products Co	0	10 Adams St	Lynchburg	Lynchburg (City)	24505GRFFNADAMS
104	Griffith Energy Services Inc Berryville	0	618 E Main St	Berryville	Clarke	22611CLRKC618EM
105	Appalachian Plastics Inc.	0	34001 Glove Dr	Glade Spring	Washington	24340PPLCHPOBOX
106	Guardian Fabrication, LLC - Plant 2	0	110 Jack Guynn Dr	Galax	Galax (City)	24333CNSLD110JA
107	Ardent Mills, LLC	0	1900 Industry Dr	Culpeper	Culpeper	2270WRDNTM19IND
108	Harris Corp - Night Vision	0	7635 Plantation Rd	Roanoke	Roanoke	24019TTLCT7635P
109	Hoover Treated Wood Products, Inc.	0	18315 House Dr	Milford	Caroline	22514HVRTRCAROL
110	Howell Metal Co	0	574 Depot Rd	New Market	Shenandoah	22844HWLLM574DE

Rank	Facility Name	Total On- Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
111	Anchor An Oldcastle Co	0	16326 Ind Us Trial Dr	Milford	Caroline	22514MRCNS16326
112	Amsted Rail Co Inc.	0	2580 Frontage Rd	Petersburg	Petersburg (City)	23804BRNCNPETER
113	Ampac Fine Chemicals Virginia, LLC	0	2820 N Normandy Drive	Petersburg	Petersburg (City)	23805LLBRT2999F
114	Hunt Country Propane	0	535 Jack Enders Blvd	Berryville	Clarke	2261WHNTCN535JA
115	Cooper Steel	0	275 Francis Ave	Monroe	Amherst	24574LYNCHRT29N
116	Нарсо	0	26252 Hillman Highway	Abingdon	Washington	2421WHPCXX26252
117	Associated Asphalt Roanoke, LLC	0	2677 Roanoke Ave Sw	Roanoke	Roanoke (City)	24015SSCTD2677R
118	Banker Steel Company, LLC	0	351 Rangoon Road	Lynchburg	Campbell	2450WBNKRS351RA

Rank	Facility Name	Total On- Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
119	Banker Steel Company, LLC	0	1619 Wythe Rd	Lynchburg	Lynchburg (City)	24502MNTGB1619W
120	Ball Metal Beverage Container Corp	0	8935 Pocahontas Trail James River Commerce Center	Williamsburg	James City	23185BLLPC8935P
121	Ball Advanced Aluminum Technologies Corp	0	56 Dunsmore Rd	Verona	Augusta	24482NMNSLLAURE
122	Bae Systems Norfolk Ship Repair	0	750 W Berkley Ave	Norfolk	Norfolk (City)	23501NRFLKFOOTO
123	George's Foods LLC Feed Mill	0	61 Kratzer Rd	Harrisonburg	Harrisonburg (City)	22801RCCFDPOBOX
124	Arbortech Forest Products, Inc.	0	500 Dearing Avenue	Blackstone	Nottoway	2382WRBRTC5DEAR

Rank	Facility Name	Total On- Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
125	Atlantic Pole & Piling - Newsoms	0	21366 General Thomas Hwy	Newsoms	Southampton	23874TLNTCRTE67
126	Huntington Ingalls Incorporated	0	4101 Washington Ave	Newport News	Newport News (City)	23607NWPRT4101W
127	Associated Asphalt Hopewell LLC	0	410 Water St	Hopewell	Hopewell (City)	2386WSSCTD41WAT
128	Associated Asphalt Bristol, LLC	0	10 Spurgeon Lane	Bristol	Bristol (City)	2420WSSCTD1SPUR
129	Gordonsville Power Station	0	819 Hill Rd	Gordonsville	Louisa	22942GRDNS115RE
130	Graham-White Manufacturing Co.	0	1242 Colorado St	Salem	Roanoke	24153GRHMW1242C
131	Great Southern Wood - Va, Inc.	0	1050 N Main St	Rocky Mount	Franklin	24151RCKYTNORTH

Rank	Facility Name	Total On- Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
132	Arkema Inc. Franklin Plant	0	27047 Shady Brook Trail	Courtland	Southampton	2383WRKMNC2747S
133	Argos Ready Mix Bryan Park Concrete Plant	0	4607 Racrete Rd	Richmond	Henrico	23230RDYMX457RA
134	Azz Galvanizing- Bristol	0	14781 Industrial Park Rd	Bristol	Washington	24201VSBRS795IN
135	Afeta Camp Peary	0	1100 Executive Drive	Williamsburg	York	2318WFTCMP11EXE
136	American Phoenix Inc.	0	121 Martha St	Danville	Danville (City)	2454WMRCNP121MA
137	Jti Leaf Services (US) LLC	0	202 Stinson Drive	Danville	Pittsylvania	2454WJTLFS22STI
138	Kaiser Aluminum Fabricated Products LLC	0	1901 Reymet Rd	Richmond	Chesterfield	23237RYNLD1901R

Rank	Facility Name	Total On- Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
139	Kik (Virginia) LLC	0	27 Mill Ln	Salem	Roanoke	24153THDLC27MIL
140	Agc Flat Glass Na Abingdon Plant	0	18370 Oak Park Dr	Abingdon	Washington	24210FGCTN1837A
141	Kingspan Insulation LLC	0	172 Pactiv Way	Winchester	Frederick	22601MCFMPROUTE
142	Akzo Nobel Coatings Inc.	0	2837 Roanoke Ave Sw	Roanoke	Roanoke (City)	24015RLNCN2837R
143	Kmx Chemical Corp	0	30474 Energy Dr	New Church	Accomack	23415NWCHRRT709
144	Johns Manville Corp Hamilton Plant	0	7400 Ranco Rd	Richmond	Henrico	23228MNVLL7400R
145	Accutec Blades, Inc.	0	57 Razor Blade Ln	Verona	Augusta	24482MRCNSRAZOR
146	Abb Inc.	0	2135 Philpott Rd	South Boston	Halifax	24592WSTNGHIGHW
147	Kyanite Mining Corp Mullite Plant	0	5836 Buffalo Road	Dillwyn	Buckingham	23936KYNTMRTE15

Rank	Facility Name	Total On- Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
148	Ladysmith Combustion Turbine Station	0	8063 Cedon Rd	Woodford	Caroline	22580LDYSM863CE
149	Lhoist Na Of Virginia Inc. Kimballton Area	0	2093 Big Stony Creek Rd	Ripplemead	Giles	24150CHMCL2093B
150	Lsc Communications / Harrisonburg N	0	2347 Kratzer Rd	Harrisonburg	Rockingham	22801RRDNN1400K
151	Lsc Communications / Lynchburg	0	4201 Murray Pl	Lynchburg	Lynchburg (City)	24506MRDTH4201M
152	Kinyo Virginia Inc.	0	290 Enterprise Dr	Newport News	Newport News (City)	23603KNYVR290EN
153	Amelia Lumber Co Inc.	0	8680 Crowder St	Amelia Court House	Amelia	23002MLLMB16951

Rank	Facility Name	Total On- Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
154	Hutchinson Sealing Systems Inc.	0	1150 S Third St	Wytheville	Wythe	24382KNGST1150S
155	Imperial Group Manufacturing Inc.	0	4969 Stepp Place	Dublin	Pulaski	2408WMPRLG4969S
156	Industrial Chemicals Inc.	0	2540 Bellwood Rd	Richmond	Chesterfield	23237NDLCH2540B
157	American Gfm Corp	0	1200 Cavalier Blvd	Chesapeake	Chesapeake (City)	23323MRCNG1200C
158	Intelligent Platforms, LLC	0	2500 Austin Drive	Charlottesville	Albemarle	22901GFNCTUS29N
159	Interbake Foods	0	200 Baker Plaza	Front Royal	Warren	2263WNTRBK2BAKE
160	Joint Base Langley Eustis- Eustis (Jble- Eustis)	0	705 Washington Blvd	Fort Eustis	Newport News (City)	23604SDDSRFORTE

Rank	Facility Name	Total On- Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
161	American Buildings Company-La Crosse	0	501 Golden Eagle Dr	La Crosse	Mecklenburg	23950MRCNB51GLD
162	Gea Systems Dba LLC (Dba LLC Dowty Propellers)	0	114 Powers Ct	Sterling	Loudoun	20166SMTHS114PW
163	Altec Industries, Inc.	0	325 South Center Drive	Daleville	Botetourt	2408WLTCND325SU
164	Ir Engraving LLC	0	5901 Lewis Rd	Sandston	Henrico	23150RNTRN5901L
165	James Hardie Building Products Pulaski	0	1000 James Hardie Way	Pulaski	Pulaski	24301JHBPP1JAME
166	Jci Jones Chemicals Inc.	0	16248 Industrial Dr	Milford	Caroline	22514JNSCHRT640
167	Jewell Coke Co Lp	0	1034 Dismal River Rd	Oakwood	Buchanan	24656JWLLCHWY46

Rank	Facility Name	Total On- Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
168	Allied Aviation Fueling Co Inc.	0	Ronald Reagan National Airport	Arlington	Arlington	22202GDNVTRONAL
169	Aleris Rolled Products Inc.	0	1701 Reymet Rd	Richmond	Chesterfield	23237TRNST1801R
170	International Cold Storage	0	5678 Heards Mountain Rd	Covesville	Albemarle	22931NTRNTROUTE
171	Brantner & Associates Inc., Dba Te Connectivity Mog	0	751 Old Brandy Rd	Culpeper	Culpeper	22701THRCH751OL
172	Conn-Weld Ind Inc.	0	New Bern Rd State Rd 682	Dublin	Pulaski	24084CNNWLNEWBE
173	Continental Automotive Systems Inc.	0	615 Bland Blvd	Newport News	Newport News (City)	23602LLDSG615BL
174	Cargill Turkey Production LLC	0	1 Kratzer Ave	Harrisonburg	Harrisonburg (City)	22802RCCFR1KRAT

Rank	Facility Name	Total On- Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
175	Cardinal Glass	0	2132 Cardinal Park Dr	Vinton	Roanoke	2417WCRDNL2132C
176	Cameron Chemical Inc.	0	830 Old Dill Rd.	Suffolk	Suffolk (City)	2343WCMRNC83LDD
177	Bush Center For Intelligence (Cia)	0	1000 Colonial Farm Rd	McLean	Fairfax	2210WCHDQRRUTES
178	General Dynamics Mission Systems, Inc.	0	150 Johnston Rd	Marion	Smyth	24354BRNSW150JO
179	Bren Mar	0	6315 Bren Mar Dr	Alexandria	Fairfax	2231WBRNMR6315B
180	Concrete Pipe & Precast LLC Chesapeake Plant	0	3801 Cook Blvd	Chesapeake	Chesapeake (City)	23323HNSNP381CK
181	Creative Playthings Ltd.	0	859 Industrial Dr	Emporia	Greensville	23847CRTVP859IN

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182	Culpeper Wood Preservers	0	15487 Braggs Corner Rd	Culpeper	Culpeper	22701CLPPRROUTE
183	Branscome-Lee Hall	0	9393 Merrimac Trail	Williamsburg	James City	23185BRNSC9393M
184	Branscome- Hampton	0	1922 W Pembroke Ave	Hampton	Hampton (City)	23661BRNSC1922W
185	Custom Truck One Source	0	12660 E Lynchburg Salem Tpke	Forest	Bedford	2455WCSTMT1266E
186	Daikin Applied	0	207 Laurel Hill Rd	Verona	Augusta	24482SNYDRRT612
187	Cox Wood Of Virginia	0	2960 Cox Rd	Blackstone	Nottoway	23824TYLRRHIGHW
188	Carpenter Co Richmond Plant	0	2400 Jefferson Davis Hwy	Richmond	Richmond (City)	23234RCRPN2400J
189	Chemsolv Inc.	0	1140 Industry Ave Se	Roanoke	Roanoke (City)	24013CHMSL1140I

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190	Chemtreat Inc.	0	10040 Lickinghole Rd	Ashland	Hanover	23005CHMTR500LI
191	Chesapeake Energy Center	0	2701 Vepco St	Chesapeake	Chesapeake (City)	23323CHSPK2701V
192	Chesterfield Power Station	0	500 Coxendale Rd	Chester	Chesterfield	23836CHSTR500CO
193	Chaparral (Va) Inc.	0	25801 Hofheimer Way	Petersburg	Dinwiddie	23803CHPRR25801
194	Church & Dwight Co Inc.	0	1851 Touchstone Rd	Colonial Heights	Chesterfield	23834LDNCR16101
195	Concrete Pipe & Precast LLC- Hanover Pipe Plant	0	10350 Design Rd	Ashland	Hanover	2300WMRCST135DE
196	Chantilly Ready Mix Concrete	0	25232 Willard Road	Chantilly	Loudoun	2015WCHNTL25232

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197	Concrete Pipe & Precast LLC- Ashland Precast Plant	0	11352 Virginia Precast Rd	Ashland	Hanover	2300WSSRCM312MI
198	Cmc Rebar	0	9434 Crossroads Pkwy	Fredericksburg	Spotsylvania	22408SMRBR9434C
199	Cmc Rebar Va King George	0	10924 Dennis W Kerns Pkwy	King George	King George	2248WCMCRB1924D
200	Colonial Circuits Inc.	0	1026 Warrenton Rd	Fredericksburg	Stafford	22405CLNLC1026W
201	Colonna's Shipyard Inc.	0	400 E Indian River Rd	Norfolk	Norfolk (City)	23523CLNNS400EI
202	Columbus Mckinnon Corp	0	22364 Jeb Stuart Hwy	Damascus	Washington	24236CLMBSRTE1B
203	Commonwealth Galvanizing	0	10988 Leadbetter Rd	Ashland	Hanover	2300WCMMNW1988L
204	Degesch America Inc.	0	153 Triangle Dr	Weyers Cave	Augusta	24486DGSCH275TR

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205	City Point Energy Center	0	912 E Randolph Rd	Hopewell	Hopewell (City)	23860JMSRV912ER
206	Bellwood Printing Plant	0	2001 Reymet Rd	Richmond	Chesterfield	23237BLLWD2001R
207	Branscome IncNorfolk Westminster	0	3425 Westminster Ave	Norfolk	Norfolk (City)	23504BRNSC3425W
208	Bingham & Taylor	0	601 Nalle Pl	Culpeper	Culpeper	2270WBNGHM61NAL
209	Fiberglass Engineering Co	0	5019 Airport Rd	Midland	Fauquier	22728FBRGLWARRE
210	Fisher Scientific International Mtn Diagnostics Plant	0	8365 Valley Pike	Middletown	Frederick	22645FSHRD8365V
211	Fleetwood Homes Of Virginia Inc. 19-2	0	90 Weaver St	Rocky Mount	Franklin	24151FLTWD90WEA

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212	Flint Group Na Corp	0	106 Triangle Dr	Weyers Cave	Augusta	24486CPTLPSTATE
213	Falmouth Ready Mix Concrete	0	301 Warrenton Road	Falmouth	Stafford	2240WFLMTH31WAR
214	Flowserve US Inc.	0	3900 Cook Blvd	Chesapeake	Chesapeake (City)	23323NGRSL3900C
215	Everbrite LLC	0	627 E 30Th St	Buena Vista	Buena Vista (City)	24416VRBRT627EA
216	Bellemeade Power Station	0	1860 Commerce Rd	Richmond	Richmond (City)	23224BLLMD1860C
217	Bear Garden Generating Station	0	2608 C.G. Woodson Road	New Canton	Buckingham	2312WBRGRD268CG
218	Gala Industries Inc.	0	181 Pauley St	Eagle Rock	Botetourt	24085GLNDSRFD2B
219	Ge Alstom Richmond Service Center	0	1200 Willis Rd	Richmond	Chesterfield	23237LSTMP1200W
220	Ge Drives & Controls	0	1501 Roanoke Blvd	Salem	Salem (City)	24153DRVSY1501R

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221	Bassett Plant 11	0	Patriot Centre At Beaver Creek	Martinsville	Henry	24112BSSTTPATRI
222	Chemetrics Inc.	0	4295 Catlett Rd	Midland	Fauquier	20138CHMTR4295C
223	Flowserve Corp Lynchburg Va	0	5114 Woodall Rd	Lynchburg	Lynchburg (City)	24502LMTRQ5114W
224	Eaton Corporation - Williamsburg Manufacturing	0	149 Warwick Court	Williamsburg	York	2318WTNCRP149WA
225	Gemini- Farmville	0	102 Hauschild Dr	Farmville	Cumberland	23901GMNFR12HAU
226	Dominion Chemical Co Inc.	0	2050 Puddledock Rd	Petersburg	Petersburg (City)	23803DMNNC2050P
227	Doswell Lp	0	10098 Old Ridge Rd	Ashland	Hanover	23005DSWLL10098

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228	Boxley Materials Company Roanoke Ready Mix Plant	0	3830 Blue Ridge Dr Sw	Roanoke	Roanoke (City)	24019BXLYC383BL
229	Bondcote Corp	0	509 Burgis Ave	Pulaski	Pulaski	24301WSTPNBURGI
230	Blue Ridge Wood Preserving Inc.	0	1220 Hendricks Store Rd	Moneta	Bedford	24523SMTHMPOBOX
231	Federal Mogul Powertrain LLC.	0	300 Industrial Park Rd Se	Blacksburg	Montgomery	24060FDRLMRT460
232	Blue Ridge Solvents & Coatings	0	3800 Original Henry Rd	Henry	Franklin	24102BLRDGSTATE
233	Davis-Frost Inc.	0	3416 Candlers Mountain Rd	Lynchburg	Lynchburg (City)	24506DVSPN3420C
234	Eit South	0	350 Slayton Avenue	Danville	Danville (City)	2454WLCTRN35SLA

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235	Electronic Instrumentation & Technology LLC	0	309 Kellys Ford Plz Se	Leesburg	Loudoun	2017WLCTRN39KEL
236	Blue Ridge Fiberboard	0	250 Celotex Dr	Danville	Pittsylvania	24543WDFBRMASON
237	Electroplate-Rite Corp	0	5529 Lee Hwy	Dublin	Pulaski	24084LCTRPUSRTE
238	Elizabeth River Combustion Turbine Station	0	2837 S Military Hwy	Chesapeake	Chesapeake (City)	23323CMMNW2837S
239	Ennis-Flint Richmond	0	4400 Vawter Ave	Richmond	Henrico	23222DGLSC4400V
240	Bleachtech LLC	0	2020 Bessemer Rd	Petersburg	Petersburg (City)	23805BLCHT22BES
241	Eastman Performance Films, LLC- Axton Facility	0	47 Brenda Dr	Axton	Henry	24054CMMNWRT58S

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242	United States Gypsum Co	0	1424 S Main St	Norfolk	Norfolk (City)	23523NTDST1001B
243	U.S. Defense Logistics Agency Defense Supply Center Richmond	0	8000 Jefferson Davis Hwy	Richmond	Chesterfield	23297DFNSG8000J
244	Titan Virginia Ready-Mix LLC-Sterling Plant	0	22963 Concrete Plaza	Sterling	Loudoun	2016WTTNVR22963
245	Tms International, LLC	0	25805 Hofheimer Way	Petersburg	Dinwiddie	23803MSDVT2585H
246	Trelleborg Marine Systems USA, Inc.	0	532 Jack Enders Blvd	Berryville	Clarke	2261WTRLLB532JA
247	Trex - Virginia Manufacturing Operations	0	3229 Shawnee Drive	W Inc.hester	Frederick	2260WTRXWN3229S

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248	Trident Americas	0	833 Liberty Way	Chester	Chesterfield	23836KTNGR833LI
249	Ttm Technologies North America, LLC.	0	1200 Severn Way	Dulles	Loudoun	22170TMTNC1200S
250	Tyson Farms Inc Feed Mill	0	1938 Patrick Henry Hwy	Jetersville	Nottoway	23083HLLYFUSHWY
251	U.S. Army Garrison Fort Lee Va - Ranges	0	825, 19Th Street, Bldg 6005	Fort Lee	Prince George	23801SRMYC3901A
252	Titan Virginia Ready-Mix LLC-Springfield Plant	0	6600 Electronic Dr	Springfield	Fairfax	22151STHRN6600E
253	U.S. Doj Fbi Training Academy	0	Mcb-4 Building 15- Fmu	Quantico	Stafford	22135SDJFBMCB4B

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254	Titan Virginia Ready-Mix LLC-Port Norfolk Plant	0	101 Chautauqua Ave	Portsmouth	Portsmouth (City)	2370WTTNVR11CHA
255	Univar USA Inc. Chester Facility	0	1001 Old Bermuda Hundred Rd	Chester	Chesterfield	23836PRLLM1001O
256	Upaco Adhesives Inc.	0	4105 Castlewood Rd	Richmond	Richmond (City)	23234PCDHS4105C
257	U.S. Army Fort Ap Hill Garrison (Part)	0	19952 N Range Rd	Bowling Green	Caroline	22427SRMYF18902
258	U.S. Army Fort Ap Hill Ranges (Part)	0	19952 North Range Rd	Bowling Green	Caroline	22427SRMYF18902
259	U.S. Army Garrison Fort Belvoir	0	9430 Jackson Loop	Fort Belvoir	Fairfax	2206WSRMYF943JA

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260	U.S. Army Joint Base Myer- Henderson Hall Garrison Ops (Part)	0	204 Lee Ave	Fort Myer	Arlington	2221WSRMYJ24LEE
261	U.S. Army National Guard Ctc Camp Pendleton (Ranges)	0	203 Red Horse Drive	Virginia Beach	Virginia Beach (City)	2345WCTCCM23RED
262	U.S. Army National Guard Fort Pickett (Installation)	0	U.S. Pfo Building 316 Fort Pickett	Blackstone	Nottoway	23824SRMYM316RI
263	U.S. Cbp Canine Training Facility Firing Range #Va0040	0	828 Harmony Hollow Rd	Front Royal	Warren	22630SCSTM828HA

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264	Stella Jones Corp-Goshen Facility	0	9223 Maury River Rd	Goshen	Rockbridge	24439THBRKSTATE
265	U.S. Army Warrenton Training Center, Station D	0	22129 Confederate Road	Elkwood	Culpeper	2271WSRMYW22129
266	Tcs Materials Richmond Plant	0	2100 Deepwater Terminal Road	Richmond	Richmond (City)	2322WTCSMT21DEE
267	Mica Co Of Canada Inc.	0	900 Jefferson Ave	Newport News	Newport News (City)	23607MCCMP900JE
268	Sun Chemical Corp	0	16000 Continental Blvd	Colonial Heights	Colonial Heights (City)	23834SNCHM16000
269	Sunlite Plastics Inc.	0	846 Keezletown Rd	Weyers Cave	Augusta	24486SNLGHROUTE
270	Super Radiator Coils	0	451 Southlake Blvd	Richmond	Chesterfield	23236SPRRD451SO

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271	Superior Carriers Inc.	0	4625 Lee Hwy	Marion	Smyth	2435WSPRFL4625L
272	Superior Concrete Inc Harrisonburg	0	1526 County Club Rd	Harrisonburg	Rockingham	2280WSPRRC1526C
273	Superior Concrete Materials Inc Dulles	0	44146 Wade Dr	Chantilly	Loudoun	2015WSPRRC44146
274	Superior Concrete Materials Inc Lorton	0	8420 Terminal Rd	Lorton	Fairfax	2207WSPRRC842TE
275	Taylor & Boody Inc.	0	8 Hewitt Rd	Staunton	Augusta	24401TYLRB8HEWE
276	Titan Virginia Ready-Mix LLC-Stafford Plant	0	48 Powell Ln	Falmouth	Stafford	2240WTTNVR48PWE
277	Tcs Materials Newport News	0	700 Shields Rd	Newport News	Newport News (City)	2318WTCSMT7SHIE

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278	U.S. Dhs Mt Weather Eoc	0	19844 Blue Ridge Mountain Rd	Bluemont	Loudoun	20135SDHSM19844
279	Tempur Production USA Inc.	0	203 Tempurpedic Dr	Duffield	Scott	24244TMPRP4700B
280	Tenneco Walker Manufacturing Co	0	3160 Abbott Ln	Harrisonburg	Harrisonburg (City)	22801WLKRM3160A
281	The Goodyear Tire & Rubber Co.	0	1901 Goodyear Blvd	Danville	Danville (City)	24541THGDY1435G
282	Tidewater Wood Products, LLC	0	5604 City Line Rd	Hampton	Hampton (City)	23661CMMNW5604C
283	Titan Virginia Ready-Mix LLC- Campostella Plant	0	2125 Kimball Terrace	Norfolk	Norfolk (City)	2350WTTNVR2125K

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284	Titan Virginia Ready-Mix LLC-Centreville Plant	0	15718 Lee Highway	Centreville	Fairfax	2202WTTNVR15718
285	Titan Virginia Ready-Mix LLC-Clear Brook Plant	0	1383 Brucetown Rd	Clear Brook	Frederick	2262WTTNVR1383B
286	Titan Virginia Ready-Mix LLC-Dumfries Plant	0	3454 Canal Rd	Dumfries	Prince William	2202WTTNVR3454C
287	Titan Virginia Ready-Mix LLC-Leesburg Plant	0	42105 Cochran Mill Rd	Leesburg	Virginia Beach (City)	2017WTTNVR4215C
288	Titan Virginia Ready-Mix LLC-Oceana Plant	0	160 Oceana Blvd.	Virginia Beach	Virginia Beach (City)	2345WTTNVR16CEA

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289	Tcs Materials Chester Plant	0	12020 Old Stage Road	Chester	Chesterfield	2383WTCSMT122LD
290	Virginia Paving Alexandria Plant	0	5601 Courtney Avenue	Alexandria	Alexandria (City)	2230WTHLNC561CU
291	U.S. Coast Guard Base Portsmouth	0	4000 Coast Guard Blvd	Portsmouth	Portsmouth (City)	23701SDTSC4000C
292	Virginia Concrete Dumfries Plant	0	217 Canal Rd	Dumfries	Prince William	2202WVRGNC217CA
293	Virginia Concrete Edsall Road Plant	0	5412 Industrial Dr	Springfield	Fairfax	22151VRGNC6995E
294	Virginia Concrete Falls Church Plant	0	7103 Gordon Rd	Falls Church	Falls Church (City)	22043VRGNC7103G
295	Virginia Concrete Gainesville Plant	0	7300 Rail Line Ct	Gainesville	Prince William	2015WVRGNC73RAI

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296	Virginia Concrete Shirlington Plant	0	2651 Shirlington Road	Arlington	Arlington	22206VRGNC2651S
297	Virginia Concrete Spotsylvania Plant	0	6110 Smith Station Road	Fredericksburg	Spotsylvania	2240WVRGNC611SM
298	Virginia Concrete Woodbridge Plant	0	936 Annapolis Way	Woodbridge	Prince William	2219WVRGNC936AN
299	Virginia Marble Manufacturers Inc.	0	1201 5Th Ave	Kenbridge	Lunenburg	23944VRGNMPOBOX
300	Virginia Concrete Cochran Mill	0	42574 Cochran Mill Rd	Leesburg	Loudoun	2017WVRGNC42574
301	Virginia Mirror Co Inc.	0	300 S Moss St	Martinsville	Henry	24112VRGNM300MO

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302	Virginia Concrete Co IncChantilly	0	25086 Tanner Ln	Chantilly	Loudoun	2015WVRGNC2586T
303	Virginia Paving Company Occoquan Plant	0	10000 Ox Rd	Lorton	Fairfax	2207WVRGNP1XRDX
304	Virginia Transformer Corp	0	201 Transformer Way	Troutville	Botetourt	2417WVRGNT21TRA
305	Voestalpine High Performance Metals - South Boston Plant	0	2306 Eastover Dr	South Boston	Halifax	24592CKCMPSTATE
306	Vpgc LLC Broadway Feedmil	0	410 S Main St	Broadway	Rockingham	22815WMPLRRTE42
307	W&W-Afco Steel LLC	0	15083 Industrial Park Rd	Bristol	Washington	24202CRLNS1583I

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308	Webb Enterprises LLC American Mirror	0	602 E Stuart Dr	Galax	Galax (City)	24333MRCNMPOBOX
309	Westrock / Seven Hills LLC	0	1801 Concord Turnpike	Lynchburg	Lynchburg (City)	24505MDPPR1801C
310	Wheelabrator Abrasives Inc.	0	1 Abrasive Ave	Bedford	Bedford	24523WHLBR1ABRA
311	Woodwick Candle	0	200 Toy Lane	Blairs	Pittsylvania	2455WSMTHM1DILL
312	Yokohama Tire Manufacturing Virginia LLC	0	1500 Indiana St	Salem	Roanoke	24153MHWKR1500I
313	Virginia Marble Manufacturers Inc.	0	Corner Of Brunswick & Oak St	Kenbridge	Lunenburg	23944VRGNMCORNE

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314	U.S. Navy Norfolk Naval Shipyard	0	Intersection Of Effingham St & George Washington H	Portsmouth	Portsmouth (City)	23709SDDSNINTER
315	U.S. Dod U.S.A.F. Joint Base Langley EUStis - Langley Afb	0	633 Ces/Ceie 37 Sweeney Blvd	Langley Afb	Hampton (City)	23665SRFRC1CESC
316	US Dod Warrenton Training Center Station B	0	7471 Bear Wallow Rd	Warrenton	Fauquier	2018WSDDSR7471B
317	US Dod Warrenton Training Center Station B	0	7472 Bear Wallow Rd	Warrenton	Fauquier	2018WSDDSR7471B

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318	U.S. Dod Warrenton Training Center Station C Range	0	7248 Sumerduck Rd	Remington	Fauquier	2273WSDDSR7248S
319	U.S. Marine Corps Base Quantico	0	3250 Catlin Ave	Quantico	Prince William	22134SDDSM3040M
320	U.S. Navy Cheatham Annex Base	0	108 Sanda Ave Bldg 270	Williamsburg	York	23185SNVYC18SAN
321	U.S. Navy Fleet Combat Training Center Atl Dam Neck Base	0	1912 Regulus Ave	Virginia Beach	Virginia Beach (City)	23461SNVYF1912R
322	U.S. Navy Joint Expeditionary Fort Story Range	0	300 Atlantic Avenue	Virginia Beach	Virginia Beach (City)	2345WSNVYJ3GUAD

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323	U.S. Navy Joint Expeditionary Little Creek Base	0	2600 Tarawa Ct Suite 100	Norfolk	Norfolk (City)	23521SDDSN2600T
324	Virginia Concrete Dulles Plant	0	44866 Old Ox Road	Sterling	Loudoun	22170VRGNC44866
325	U.S. Navy Naval Station Norfolk	0	1531 Gilbert St Suite 2000	Norfolk	Norfolk (City)	23511NVLBS1530G
326	Steelfab Of Virginia Inc.	0	1510 Reese St	Emporia	Greensville	23847STFBF1510R
327	U.S. Navy Yorktown Naval Weapons Station Base Range	0	160 Main Rd	Yorktown	York	2369WSNVYYRUTE2
328	U.S. Penitentiary Lee	0	Lee County Ind Us Trial Park Hickory Flats Rd	Pennington Gap	Lee	24277SPNTNLEECI

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329	U.S./Navy Naval Support Activity Northwest Annex Range	0	1320 Nw Blvd Suite 100	Chesapeake	Chesapeake (City)	23322SNVYN132NW
330	Utility Trailer Manufacturing Co	0	13160 Monroe Rd	Glade Spring	Washington	2434WTLTYT1316M
331	Utility Trailer Mfg. Co.	0	124 Mountain Empire Road	Atkins	Smyth	24311TLTYTSTATE
332	Valley Proteins IncWinchester Facility	0	1635 Indian Hollow Rd	Winchester	Frederick	22603VLLYP1444I
333	Valmont- Virginia Galvanizing Inc.	0	3535 Halifax Rd	Petersburg	Petersburg (City)	23805NDSTR3535H
334	Vaughan-Bassett Furniture Co. Galax	0	300 E Grayson St	Galax	Carroll	24333VGHNBOLDTO

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335	Veolia James River Plant	0	1201 Bellwood Rd	Richmond	Chesterfield	23237DPNTJ1201B
336	Virginia Concrete - Stephens City	0	339 Estep Road	Stephens City	Frederick	2265WSTPHN339ES
337	U.S. Navy Naval Station Norfolk	0	1530 Gilbert St Suite 2000	Norfolk	Norfolk (City)	23511NVLBS1530G
338	Novozymes	0	420 Kesler Mill Rd	Salem	Roanoke	24153NVZYM42KES
339	Papco Inc.	0	4920 Southern Blvd	Virginia Beach	Virginia Beach (City)	2346WPPCNC492SU
340	Munters	0	225 S Magnolia Ave	Buena Vista	Rockbridge	2441WDSCHM225SM
341	Munters Corporation	0	43 Douglas Way	Natural Bridge Station	Rockbridge	2457WMNTRS43DUG
342	Murphy-Brown LLC Waverly Feed Mill	0	27404 Cabin Point Rd	Waverly	Sussex	23890MRPHY27404

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343	Mxi Environmental Services, LLC	0	26319 Old Trail Rd (St Rte 679)	Abingdon	Washington	2421WMXNVR26319
344	New Millennium Building Systems	0	100 Diuguids Lane	Salem	Roanoke	24153JHNWH2535D
345	Newington Concrete Plant	0	8413 Terminal Rd	Lorton	Fairfax	22122NWNGT8413T
346	Nibco Of Virginia Inc.	0	131 Johnson Drive	Stuarts Draft	Augusta	24477NBCNCROUTE
347	Norcraft Companies	0	1 Millrace Dr	Lynchburg	Lynchburg (City)	24502STRMR1MILL
348	Morgan Lumber Company, Inc.	0	628 Jeb Stuart Highway	Red Oak	Charlotte	2396WMRGNL628JE
349	Northrop Grumman Systems Corporation	0	1070 Seminole Trail	Charlottesville	Albemarle	22906SPRRY1070S
350	Moog Inc.	0	1213 N Main St	Blacksburg	Montgomery	24060LTTNP1213N

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351	Novozymes Biologicals Inc.	0	528 Chapman St	Salem	Salem (City)	24153NVZYM528CH
352	Old Dominion Electric Co-Op Louisa Generation Facility	0	3352 Klockner Rd	Gordonsville	Louisa	22942LDDMN3352K
353	Old Dominion Electric Co-Op Marsh Run Generation Facility	0	12109 Lucky Hill Rd	Remington	Fauquier	22734LDDMN1219L
354	Oldcastle Precast Inc.	0	5115 Massaponax Church Rd	Fredericksburg	Spotsylvania	22407RTNDP5115M
355	Omega Protein Corporation	0	610 Menhaden Rd	Reedville	Northumberland	22530ZPTHYPOBOX

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356	O-N Minerals (Chemstone) Strasburg Lime Plant	0	1696 Oranda Rd	Strasburg	Shenandoah	22657GLBLS1696O
357	O-N Minerals (Chemstone) W Inc.hester Lime Plant	0	508 Quarry Ln	Clear Brook	Frederick	22624GLBLSONEQU
358	Onduline Na	0	4900 Ondura Dr	Fredericksburg	Spotsylvania	22401NDLNN4900O
359	Owens- Brockway Glass Container Inc. Plant 29	0	29 Glassblower Ln	Ringgold	Pittsylvania	24586WNSBRSTATE
360	Stihl Inc.	0	536 Viking Dr	Virginia Beach	Virginia Beach (City)	23450STHLN536VI
361	Nordson Xaloy Inc.	0	102 Xaloy Way	Pulaski	Pulaski	24301XLYNC101XA
362	Medeco Security Locks Inc.	0	3625 Allegheny Dr	Salem	Roanoke	24153MDCSCUS11A

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363	Madison Wood Preservers Inc.	0	216 Oak Park Rd	Madison	Madison	22727MDSNWSTARR
364	Manassas Broad Run Ready Mix Concrete	0	9321 Developers Drive	Manassas	Prince William	2010WMNSSS9321D
365	Mapei Corp	0	300 Nelms Cir	Fredericksburg	Stafford	22406MPCRP3NELM
366	Mar-Bal, Inc.	0	5400 Reserve Way	Dublin	Pulaski	24084MRBLN5400R
367	Marshall Bulk Plant	0	3778 Whiting Rd - Lot 9	Marshall	Fauquier	2011WMRSHL3778W
368	Masco Cabinetry LLC	0	641 Maddox Dr	Culpeper	Culpeper	22701WDCBN641MA
369	Mastic Home Exteriors Stuarts Draft	0	185 Johnson Dr	Stuarts Draft	Augusta	24477LCBLDRTE90

Rank	Facility Name	Total On- Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
370	Mcfarland Cascade Holdings Inc.	0	15939 History Land Hwy	Warsaw	Richmond	22572WDPRSROUTE
371	Mechanicsville Concrete LLC- Airport Plant (Oakleys Lane)	0	4481 Oakleys Ln	Henrico	Henrico	2322WMCHNC4481A
372	Motiva Fairfax Terminal	0	3800 Pickett Rd	Fairfax	Fairfax (City)	22031FRFXT3800P
373	Mecklenburg Power Station	0	204 Cogen Dr	Clarksville	Mecklenburg	23927MCKLN204CO
374	Papco Oil Company	0	407 Jefferson Avenue	Newport News	Newport News (City)	2360WPPCLC47JEF
375	Medeco Security Locks Inc.	0	3625 Allegheny Dr	Salem	Roanoke	24153MDCSCUS11A
376	Mennel Milling Co Of Virginia	0	5185 Benois Rd	Roanoke	Roanoke	24018MNNLM5185B
377	Metalsa Roanoke Inc.	0	184 Vista Dr	Roanoke	Botetourt	24019TWRTM184VI

Rank	Facility Name	Total On- Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
378	Metl-Span, A Division Of Nci Group, Inc.	0	6001 Quality Way	Prince George	Prince George	23875MTLSP6001Q
379	Abb Inc.	0	171 Industry Drive	Bland	Bland	24315BBPWRSTRTE
380	Micrometrics System	0	225 Jeb Stuart Hwy	Meadows Of Dan	Patrick	24120MCRMT2900W
381	Zenith Fuel Systems LLC	0	14570 Industrial Park Rd	Bristol	Washington	24201FCTFL1048I
382	Mitsubishi Chemical Composites America	0	401 Volvo Pkwy	Chesapeake	Chesapeake (City)	23320MTSBS401VA
383	Modine Manufacturing Co	0	1221 Magnolia Ave	Buena Vista	Rockbridge	24416MDNMN1221M
384	Mondelez Global LLC	0	6002 S Laburnum Ave	Richmond	Richmond	23231NBSCB6002S

Rank	Facility Name	Total On- Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
385	Mechanicsville Concrete LLC- Chesterfield Plant	0	3501 Warbro Rd	Midlothian	Chesterfield	2311WMCHNC351WA
386	Sicpa Securink Corp	0	8000 Research Way	Springfield	Fairfax	22153SCPVR8000R
387	Pallet One Of Virginia	0	820 Boyd St	Chase City	Mecklenburg	2392WPLLTN82BYD
388	Rps Composites Virginia, Inc.	0	211 E 4Th St	Front Royal	Warren	22630SHNND210E4
389	Rti Martinsville Inc.	0	101 Rti Way	Martinsville	Henry	2411WRTMRT11RTI
390	Ruffin Creek Properties LLC	0	10229 Tidewater Trail	Fredericksburg	Spotsylvania	22408RFFNC10229
391	S.L. Williamson Co. Inc. Shop	0	1230 River Road	Charlottesville	Albemarle	2290WSLWLL123RI

Rank	Facility Name	Total On- Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
392	Safety-Kleen Systems Chesapeake (Cpk)	0	4545 Bainbridge Blvd	Chesapeake	Chesapeake (City)	23320SFTYK4545B
393	Safety-Kleen Systems Chester (Cva)	0	1200 W 100 Rd	Chester	Chesterfield	23831SFTYK1200W
394	Safety-Kleen Systems Manassas (Man)	0	11520 Balls Ford Rd	Manassas	Prince William	22110SFTYK11520
395	Safety-Kleen Systems Vinton (Roa)	0	16090 Stewartsville Rd	Vinton	Roanoke	24179SFTYKRTE24
396	River Pools And Spas	0	196 Selftown Rd	Warsaw	Richmond	2257WRVRPL196SE
397	Schrader- Bridgeport International	0	205 Frazier Rd	Altavista	Campbell	24517PDMNT205FR
398	Rexnord Industries LLC	0	150 Johnson Dr	Stuarts Draft	Augusta	24477PTCMPRTS34

Rank	Facility Name	Total On- Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
399	Slocum Adhesives Corporation	0	1409 Buchanan St	Lynchburg	Lynchburg (City)	24501SLCMC1409B
400	Smithfield Fresh Meats Corp Smithfield, Va Facility	0	601 N Church St	Smithfield	Isle Of Wight	23430GWLTNHIGHW
401	Solenis LLC	0	27123 Shady Brook Trail	Courtland	Southampton	23851HRCLSROUTE
402	Sonoco Richmond	0	1850 Commerce Rd	Richmond	Richmond	23224SNCPR1850C
403	South Atlantic Galvanizing LLC	0	11022 Lewistown Rd	Ashland	Hanover	23005VRGNGSTATE
404	Southern Graphic Systems LLC	0	5301 Lewis Rd	Sandston	Henrico	23150STHRN531LE
405	Spotsylvania Plant	0	8520 Indian Hills Ct.	Fredericksburg	Spotsylvania	2240WSPTSY852IN
406	St Tissue LLC	0	34050 Union Camp Dr	Franklin	Isle Of Wight	2385WSTTSS345UN

Rank	Facility Name	Total On- Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
407	Stafford Plant	0	169 Wyche Rd	Stafford	Stafford	2255WSTFFR169WY
408	Steel Dynamics Inc. Roanoke Bar Div	0	102 Westside Blvd	Roanoke	Roanoke (City)	24017RNKLC102WE
409	Samuel Pressure Vessel Group - Lebanon	0	58 Samuel Way	Lebanon	Russell	2426WSTLFB58SAM
410	Prochem, Inc.	0	5100 Enterprise Dr	Elliston	Montgomery	24087PRCHM51ENT
411	Parker Hannifin Integrated Seals Div	0	3700 Mayflower Dr	Lynchburg	Lynchburg (City)	24501WYNNS3700M
412	Pascor Atlantic Corp	0	254 Industry Dr	Bland	Bland	24315PSCSTRTE1B
413	Pentagon Reservation	0	2 N Rotary Rd	Arlington	Arlington	2220WPNTRSNRTAR

Rank	Facility Name	Total On- Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
414	Perdue Farms IncChesapeake Grain	0	501A Barnes Rd	Chesapeake	Chesapeake (City)	23324CRGLL501BA
415	Permatile Concrete Products Company	0	100 Beacon Rd	Bristol	Bristol (City)	2420WPRMTL1BEAC
416	Pilgrim's Pride Corp Harrisonburg Feedmill	0	590 Mt Clinton Pike	Harrisonburg	Harrisonburg (City)	22801WMPLR590MT
417	Pine Products Inc.	0	315 Carver Rd	Martinsville	Henry	24112PNPRD315CA
418	Polynt Composites USA Inc.	0	920 Tightsqueeze Ind Us Trial Rd	Chatham	Pittsylvania	24531FRMNRPITTS
419	Possum Point Power Station	0	19000 Possum Point Rd	Dumfries	Prince William	22026PSSMP19000

Rank	Facility Name	Total On- Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
420	Roanoke Cement Co LLC	0	6071 Catawba Rd	Troutville	Botetourt	24175RNKCM5555C
421	Pre Con, Inc.	0	321 Brown St	Petersburg	Petersburg (City)	2380WPRCNN321BR
422	Luminant Hopewell Power Plant	0	1114 Hercules Rd	Hopewell	Prince George	23860HPRWL1114H
423	Pugh Lubricants Ashland	0	10992 Leadbetter Rd	Ashland	Hanover	23005PGHLB1992L
424	Qpi Warsaw Bulk Plant	0	11549 Historyland Hwy	Warsaw	Richmond	2257WQPWRS11549
425	Qualichem, Inc. Plant 1	0	2003 Salem Industrial Dr	Salem	Salem (City)	2415WQLCHM23SAL
426	Qualichem, Inc. Plant 2	0	510 Branch Dr	Salem	Salem (City)	2415WQLCHM51BRA
427	Quarles Petroleum Inc. Harrisonburg Bulk Plant	0	1006 W Market St	Harrisonburg	Harrisonburg (City)	22801QRLSP1006W

Rank	Facility Name	Total On- Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
428	Quarles Petroleum Inc. Culpeper Bulk Plant	0	15427 Brandy Rd	Culpeper	Culpeper	22701QRLSP15427
429	Quarles Petroleum Inc. Front Royal Bulk Plant	0	195 Commerce Ave	Front Royal	Warren	22630QRLSP195CO
430	Quarles Petroleum Inc. Manassas Bulk Plant	0	8001 Wellingford Dr	Manassas	Prince William	20109QRLSP8001W
431	Quarles Petroleum Inc. Winchester Bulk Plant	0	779 Smithfield Ave	Winchester	Frederick	22601QRLSP779SM
432	Remington Power Station	0	12025 Lucky Hill Road	Remington	Fauquier	2273WDMNNR1225L
433	Potomac Supply LLC	0	1398 Kinsale Rd	Kinsale	Westmoreland	22488PTMCSROUTE

APPENDIX J-1 - 2018 VA TRI Jurisdiction Ranking by On-Site Releases

APPENDIX J-1 - 2018 VA TRI JURISDICTION RANKING BY ON-SITE RELEASES

Rank	County or City	Total On-Site Release (Pounds)	Total Air Release (Pounds)	Total Land (Pounds)	Total Water Release (Pounds)
1	Montgomery	7,500,056	143,666	0	7,356,390
2	Covington (City)	2,738,542	2,224,585	465,370	48,587
3	Hopewell (City)	2,256,984	2,154,901	0	102,083
4	Buchanan	2,114,379	2,114,379	0	0
5	Chesterfield	2,084,072	1,626,507	298,542	159,023
6	Isle Of Wight	1,235,697	1,217,868	0	17,829
7	Halifax	937,741	459,594	473,220	4,927
8	Wise	921,671	182,533	739,120	18
9	Hanover	811,966	773,053	445	38,468
10	King William	777,260	717,698	0	59,562
11	Accomack	629,855	52,908	0	576,947
12	James City	612,072	612,072	0	0
13	Henry	510,973	510,973	0	0
14	Bedford	509,099	380,607	82,155	46,338
15	Campbell	458,532	86,171	3,701	368,661
16	Chesapeake (City)	362,792	340,608	22,184	0
17	Amherst	345,238	343,306	0	1,932
18	Giles	297,002	233,980	1,560	61,462
19	York	278,135	241,101	15,264	21,770
20	Prince William	239,943	40,156	126,269	73,518
21	Arlington	192,399	191,844	0	555
22	Pittsylvania	180,298	180,298	0	0
23	Newport News (City)	169,841	160,497	0	9,344
24	Lynchburg (City)	163,133	162,976	0	157
25	Botetourt	159,734	159,550	164	20
26	Richmond	159,367	159,332	0	35
27	Caroline	154,613	331	146,897	7,386
28	Rockingham	152,984	36,008	54,956	62,020
29	Prince George	141,336	139,224	2,112	0
30	Shenandoah	137,609	31,864	205	105,540

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Rank	County or City	Total On-Site Release (Pounds)	Total Air Release (Pounds)	Total Land (Pounds)	Total Water Release (Pounds)
31	Nottoway	135,864	178	135,665	21
32	Lunenburg	117,980	117,980	0	0
33	Washington	108,519	108,433	0	86
34	Frederick	88,297	62,752	25,545	0
35	Richmond (City)	52,221	51,706	0	515
36	Augusta	44,533	34,512	0	10,021
37	Warren	41,715	41,715	0	0
38	Roanoke (City)	40,027	39,333	0	694
39	Carroll	39,815	39,815	0	0
40	Greensville	39,394	39,394	0	0
41	Norfolk (City)	36,719	33,828	2,340	552
42	Southampton	36,067	35,995	0	72
43	Roanoke	34,622	34,597	0	25
44	Pulaski	26,195	26,195	0	0
45	Spotsylvania	21,646	21,187	277	182
46	W Inc.hester (City)	20,725	20,725	0	0
47	Northumberland	17,174	17,000	0	174
48	Virginia Beach (City)	17,122	12,188	4,932	1
49	Westmoreland	15,988	15,988	0	0
50	Culpeper	12,960	12,960	0	0
51	Suffolk (City)	12,661	12,646	0	15
52	Henrico	11,205	11,177	0	28
53	King George	7,280	7,280	0	0
54	Fauquier	6,410	6,410	0	0
55	Loudoun	6,368	5,523	10	835
56	Rockbridge	5,963	5,962	0	1
57	Petersburg (City)	3,484	3,442	0	42
58	Portsmouth (City)	3,406	3,331	0	75

					Total
			Total Air		Water
		Total On-Site	Release	Total Land	Release
Rank	County or City	Release (Pounds)	(Pounds)	(Pounds)	(Pounds)
59	Hampton (City)	1,605	1,605	0	0
60	Fairfax (City)	1,600	1,600	0	0
61	Fairfax	1,558	413	1	1,144
62	Harrisonburg (City)	1,387	1,387	0	0
63	Lee	1,071	1	1,070	0
64	Dinwiddie	808	676	0	132
65	Wythe	704	704	0	0
66	Charlotte	417	15	402	0
67	Brunswick	414	414	0	0
68	Danville (City)	402	290	0	112
69	Smyth	277	277	0	0
70	Falls Church (City)	248	0	0	248
71	Russell	109	82	0	27
72	Buckingham	28	28	0	0
73	Mecklenburg	27	26	0	1
74	Louisa	26	26	0	0
75	Stafford	24	20	4	0
76	Bristol (City)	14	14	0	0
77	Colonial Heights (City)	10	10	0	0
78	Scott	10	10	0	0
79	Sussex	6	6	0	0
80	Buena Vista (City)	6	6	0	0
81	Salem (City)	5	2	0	3
82	Clarke	1	1	0	0
83	Albemarle	1	1	0	0
84	Alexandria (City)	1	1	0	0
85	Patrick	0	0	0	0
86	Amelia	0	0	0	0
87	Galax (City)	0	0	0	0
88	Madison	0	0	0	0

Rank	County or City	Total On-Site Release (Pounds)	Total Air Release (Pounds)	Total Land (Pounds)	Total Water Release (Pounds)
89	Bland	0	0	0	0
90	Franklin	0	0	0	0
91	Cumberland	0	0	0	0

APPENDIX J-2 - 2018 VA TRI Jurisdiction Ranking by On-Site Management

APPENDIX J-2 - 2018 VA TRI JURISDICTION RANKING BY ON-SITE MANAGEMENT

Rank	County or City	Total On-Site Management (Pounds)	Total Energy Recovery On-Site (Pounds)	Total Recycled On-Site (Pounds)	Total Treated On-Site (Pounds)
1	Chesterfield	345,437,934	100	344,200,330	1,237,503
2	Hopewell (City)	258,990,215	1,061,164	256,717,096	1,211,955
3	Montgomery	37,676,435	0	25,791,223	11,885,212
4	Covington (City)	31,623,966	474,076	0	31,149,890
5	Isle Of Wight	15,934,407	0	0	15,934,407
6	Warren	13,358,896	0	13,336,969	21,927
7	King William	8,691,678	0	0	8,691,678
8	Shenandoah	6,822,761	0	0	6,822,761
9	Henry	5,014,828	750,418	1,418,176	2,846,234
10	Suffolk (City)	4,797,043	0	4,642,225	154,818
11	Pittsylvania	4,161,887	0	3,689,457	472,430
12	Wise	3,072,000	0	0	3,072,000
13	Accomack	2,772,456	0	363	2,772,093
14	Campbell	2,576,088	0	23,363	2,552,725
15	Halifax	2,483,191	19,200	0	2,463,991
16	Botetourt	2,014,826	0	0	2,014,826
17	Rockingham	1,801,248	0	65,805	1,735,443
18	Prince William	1,286,000	0	0	1,286,000
19	Winchester (City)	1,265,483	0	0	1,265,483
20	King George	1,079,832	0	0	1,079,832
21	Giles	1,032,138	849,487	0	182,651
22	Portsmouth (City)	933,280	0	834,568	98,712
23	Richmond (City)	914,367	0	0	914,367
24	Roanoke (City)	819,000	0	0	819,000
25	Hanover	806,246	0	0	806,246
26	Bedford	774,193	0	0	774,193
27	Roanoke	483,784	0	419,159	64,624
28	Amherst	364,198	96,700	0	267,498

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		Total On-Site Management	Total Energy Recovery On-Site	Total Recycled On-Site	Total Treated On-Site
Rank	County or City	(Pounds)	(Pounds)	(Pounds)	(Pounds)
29	Pulaski	173,455	0	0	173,455
30	Frederick	150,392	0	0	150,392
31	York	147,230	0	0	147,230
32	Augusta	103,355	0	224	103,131
33	Prince George	99,473	0	0	99,473
34	Newport News (City)	93,930	0	59,306	34,624
35	Loudoun	49,541	0	7,725	41,816
36	Brunswick	41,398	0	0	41,398
37	Hampton (City)	38,258	0	0	38,258
38	Westmoreland	18,175	0	0	18,175
39	Greensville	12,900	0	0	12,900
40	Lynchburg (City)	11,162	0	0	11,162
41	Petersburg (City)	1,890	0	0	1,890
42	Virginia Beach (City)	833	0	0	833
43	Norfolk (City)	83	0	0	83
44	James City	16	0	16	0
45	Washington	3	0	0	3
46	Albemarle	0	0	0	0
47	Alexandria (City)	0	0	0	0
48	Amelia	0	0	0	0
49	Arlington	0	0	0	0
50	Bland	0	0	0	0
51	Bristol (City)	0	0	0	0
52	Buchanan	0	0	0	0
53	Buckingham	0	0	0	0
54	Buena Vista (City)	0	0	0	0
55	Caroline	0	0	0	0
56	Carroll	0	0	0	0

Rank	County or City	Total On-Site Management (Pounds)	Total Energy Recovery On-Site (Pounds)	Total Recycled On-Site (Pounds)	Total Treated On-Site (Pounds)
57	Charlotte	0	0	0	0
58	Chesapeake (City)	0	0	0	0
59	Clarke	0	0	0	0
60	Colonial Heights (City)	0	0	0	0
61	Culpeper	0	0	0	0
62	Cumberland	0	0	0	0
63	Danville (City)	0	0	0	0
64	Dinwiddie	0	0	0	0
65	Fairfax	0	0	0	0
66	Fairfax (City)	0	0	0	0
67	Falls Church (City)	0	0	0	0
68	Fauquier	0	0	0	0
69	Franklin	0	0	0	0
70	Galax (City)	0	0	0	0
71	Harrisonburg (City)	0	0	0	0
72	Henrico	0	0	0	0
73	Lee	0	0	0	0
74	Louisa	0	0	0	0
75	Lunenburg	0	0	0	0
76	Madison	0	0	0	0
77	Mecklenburg	0	0	0	0
78	Northumberland	0	0	0	0
79	Nottoway	0	0	0	0
80	Patrick	0	0	0	0
81	Richmond	0	0	0	0
82	Rockbridge	0	0	0	0
83	Russell	0	0	0	0
84	Salem (City)	0	0	0	0
85	Scott	0	0	0	0

Rank	County or City	Total On-Site Management (Pounds)	Total Energy Recovery On-Site (Pounds)	Total Recycled On-Site (Pounds)	Total Treated On-Site (Pounds)
86	Smyth	0	0	0	0
87	Southampton	0	0	0	0
88	Spotsylvania	0	0	0	0
89	Stafford	0	0	0	0
90	Sussex	0	0	0	0
91	Wythe	0	0	0	0